

**PERBANDINGAN VOLATILITAS DAN KINERJA SAHAM
SYARIAH INDONESIA, MALAYSIA, CHINA DAN AMERIKA**

PERIODE 2015-2019

(STUDI PADA ISSI, FBMS, DJICHKU DAN DJIMI)



**DIAJUKAN KEPADA FAKULTAS EKONOMI DAN BISNIS ISLAM
UNIVERSITAS ISLAM NEGERI SUNAN KALIJAGA YOGYAKARTA
UNTUK MEMENUHI SEBAGIAN SYARAT MEMPEROLEH GELAR
MAGISTER EKONOMI (M.E)**

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**PROGRAM STUDI EKONOMI SYARIAH
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2020

ABSTRAK

Berawal dari terjadinya perang dagang antara Amerika Serikat dan China di tahun 2018-2019 menunjukkan tantangan pada perlambatan ekonomi global yang mewarnai ekonomi domestik yaitu kinerja pasar modal dan volatilitas harga saham, sehingga menyebabkan perkembangan pasar modal mengalami penurunan dari tahun 2015-2019 yang mempengaruhi pasar modal Indonesia, Malaysia, China dan Amerika. Tujuan dari penelitian ini adalah untuk menganalisis hasil uji beda dari volatilitas dan kinerja saham syariah Indonesia (ISSI), Malaysia (FBMS), China (DJICHKU) dan Amerika (DJIMI) serta untuk mengetahui apakah volatilitas Indonesia lebih rendah dari ketiga negara dan kinerja saham Indonesia lebih baik dibandingkan ketiga Negara lain. Jenis penelitian ini adalah Komparatif deskriptif. Teknik pengambilan sampel menggunakan sampling jenuh yaitu semua saham syariah yang tergabung di empat Negara. Penelitian ini menggunakan Model ARCH / GARCH untuk mengestimasi volatilitas dan untuk menghitung kinerja menggunakan metode Sharpe, Treynor dan Jensen dengan menggunakan alat uji beda *repeat measure*. Hasil penelitian menunjukkan volatilitas harga saham Indonesia (ISSI) tidak lebih rendah jika dibandingkan dengan ketiga negara karena volatilitas Indonesia berada pada tingkat kedua dan untuk kinerja saham syariah Indonesia (ISSI) memiliki kinerja lebih baik jika diukur dengan metode Jensen, jika diukur menggunakan metode Treynor Amerika memiliki kinerja lebih baik dibandingkan Indonesia, Malaysia dan China.

Kata kunci: Volatilitas, ARCH, GARCH, Kinerja Saham Syariah Indonesia, Malaysia, China, Amerika, Sharpe, Treynor, Jensen.

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ABSTRACT

Starting from the trade war between the United States and China in 2018-2019 shows the challenges of a global economic slowdown which is characteristic of the domestic economy, namely the performance of the capital market and the volatility of stock prices, causing the capital development market to experience a decline from 2015-2019 which has an impact on the Indonesian capital market. , Malaysia, China and America. The purpose of this study is to analyze the results of the volatility difference test and the performance of Islamic stocks in Indonesia (ISSI), Malaysia (FBMS), China (DJICHKU) and America (DJIMI) and to see whether Indonesia's volatility is lower than the three countries and the performance of the Indonesian stock exchange. better than the other three countries. This type of research is comparative descriptive. The sampling technique used saturated sampling, namely all Islamic stocks that are members of the four countries. This study uses the ARCH / GARCH model to estimate volatility and calculate performance using the Sharpe, Treynor and Jensen methods using re-measurement different test tools. The results show that the volatility of Indonesian stock prices (ISSI) is not lower when compared to the three countries because Indonesia's volatility is at the second level and for the performance of Indonesian Islamic stocks (ISSI) has a better performance when measured by Jensen. method, if using the American treynor method. have a better performance than Indonesia, Malaysia and China.

Keywords: Volatility, ARCH, GARCH, Sharia Stock Performance in Indonesia, Malaysia, China, America, Sharpe, Treynor, Jensen.

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Dengan ini kami mengharapkan semoga dalam waktu dekat tesis saudara tersebut dapat dimunaqasyahkan. Untuk itu kami mengucapkan banyak terimakasih.

Wassalamu 'alaikum Wr. Wb

Yogyakarta, 30 Oktober 2020

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HALAMAN MOTTO

Mahfudzot

إذا صدق العزم وضح السبيل

“Jika ada kemauan yang sungguh-sungguh, pasti terbukalah jalannya”

Ubah pikiranmu dank kau dapat mengubah duniamu
(Norman Vincent peale)

Tidak penting seberapa lambat kamu melaju yang terpenting adalah kamu tidak
akan pernah berhenti

(Resti Wulandari)



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HALAMAN PERSEMBAHAN

Karya ini saya persembahkan untuk:

- ❖ Allah Subhanahu wa Ta'ala, yang senantiasa memberikan limpahan karunia, nikmat dan kelancaran dalam mencapai karya ini.
- ❖ Nabi Muhammad Shallallahu 'Alaihi wa Sallam, yang telah menjadi suri tauladan dan penyemangat dalam proses karya ini.
- ❖ Ayah saya Buzairi dan mama saya Saplehon yang selama ini keduanya telah mendidik saya dengan sabar, telah menjadi tempat mencurahkan segala keluhan kesah, memberi dukungan tanpa henti baik berupa doa, materi, dan dukungan lainnya. Sehingga saya dapat menyelesaikan penelitian ini dengan baik.
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**PEDOMAN TRANSLITERASI ARAB-LATIN
KEPUTUSAN BERSAMA**

**MENTERI AGAMA DAN MENTERI PENDIDIKAN DAN KEBUDAYAAN
REPUBLIK INDONESIA**

Nomor. 158 Th.1987

Nomor. 0543b/U/1987

TRANSLITERASI ARAB-LATIN

Pendahuluan

Penelitian transliterasi Arab- Latin merupakan salah satu program penelitian Puslitbang Lektur Agama, Badan Litbang Agama, yang pelaksanaannya di mulai tahun anggaran 1983/1984. Untuk mencapai hasil rumusan yang lebih baik, hasil penelitian itu dibahas dalam pertemuan terbatas guna menampung pandangan dan pikiran para ahli agar dapat dijadikan bahan telaah yang berharga bagi forum seminar yang sifatnya lebih luas dan nasional.

Transliterasi Arab-Latin memang dihajatkan oleh bangsa Indonesia karena huruf Arab dipergunakan untuk menuliskan kitab agama Islam berikut penjelasannya (Al-Qur'an dan Hadist), sementara bangsa Indonesia mempergunakan huruf latin untuk menuliskan bahasanya. Karena ketiadaan pedoman yang baku, yang dapat dipergunakan oleh umat Islam di Indonesia yang merupakan mayoritas bangsa Indonesia, transliterasi Arab-Latin yang terpakai dalam masyarakat banyak ragamnya. Dalam menuju kearah pembakuan itulah Puslitbang Lektur Agama melalui penlitian dan seminar berusaha menyusun pedoman yang diharapkan dapat berlaku secara nasional.

Dalam seminar yang diadakan pada tahun ajaran 1985/1986 telah dibahas beberapa makalah yang disajikan oleh para ahli, yang kesemuanya memberikan sumbangan yang besar bagi usaha ke arah itu. Seminar itu juga membentuk tim

yang bertugas merumuskan hasil seminar dan selanjutnya hasil tersebut di bahas lagi dalam seminar yang lebih luas, Seminar Nasional Pembakuan Transliterasi Arab-Latin tahun 19985/1986. Tim tersebut terdiri dari 1) H. Sawabi Ihsan, MA, 2) Ali Audah, 3) Prof. Gazali Dunia, 4) Prof. Dr.H.B. Jassin, dan 5) Drs. Sudarno, M.Ed.

Dalam pidato pengarahan tanggal 10 Maret 1986 pada seminar tersebut, Kepala Litbang Agama menjelaskan bahwa pertemuan itu mempunyai arti penting dan strategis karena:

1. Pertemuan ilmiah ini menyangkut pertimbangan ilmu pengetahuan, khususnya ilmu pengetahuan ke-Islaman, sesuai dengan gerak majunya pembangunan yang semakin cepat.
2. Pertemuan ini merupakan tanggapan langsung terhadap kebijaksanaan Menteri Agama Kabinet Pembangunan IV, tentang perlunya peningkatan pemahaman, penghayatan, dan pengamalan agama bagi setiapumat beragama, secara ilmiah dan rasional.

Pedoman transliterasi Arab-Latin yang baku telah lama didambakan karena amat membantu dalam pemahaman terhadap ajaran perkembangan Islam di Indonesia. umat Islam di Indonesia tidak semuanya mengenal dan menguasai huruf Arab. Oleh karena itu, pertemuan ilmiah yang diadakan kali ini pada dasarnya juga merupakan upaya untuk pembinaan dan peningkatan kehidupan beragama, khususnya umat Islam Indonesia.

Badan Litbang agama, dalam hal ini Puslitbang Lektur agama, dan Instansi lain yang ada hubungannya dengan kelekturan, amat memerlukan pedoman yang baku tentang transliterasi Arab-Latin yang dapat dijadikan acuan dalam penelitian dan pengalih-hurufan, dari Arab ke Latin dan sebaliknya.

Dari hasil penelitian dan penyajian pendapat para ahli diketahui bahwa selama ini masyarakat masih mempergunakan transliterasi yang berbeda-beda. Usaha penyeragamannya sudah pernah dicoba. Baik oleh instansi maupun perorangan, namun hasilnya belum ada yang bersifat menyeluruh, dipakai oleh seluruh umat Islam Indonesia. oleh karena itu, dalam usaha mencapai

keseragaman, seminar menyepakati adanya Pedoman Transliterasi Arab-Latin baku yang dikuatkan dengan Surat Keputusan Menteri Agama dan Menteri Pendidikan dan Kebudayaan untuk digunakan secara nasional.

Pengertian Transliterasi

Transliterasi dimaksudkan sebagai pengalih hurufan dari abjad yang satu ke abjad yang lain. Transliterasi Arab-Latin di sini ialah penyalinan huruf-huruf Arab dengan huruf-huruf Latin beserta perangkatnya.

Prinsip Pembakuan

Pembakuan pedoman transliterasi Arab-Latin ini disusun dengan prinsip sebagai berikut:

1. Sejalan dengan ejaan yang disempurnakan
2. Huruf Arab yang belum ada padanannya dalam huruf Latin dicarikan padanan dengan cara memberi tambahan tanda diakritik, dengan dasar “satu fonem satu lambang”
3. Pedoman transliterasi ini diperuntukkan bagi masyarakat umum

Rumusan Pedoman Transliterasi Arab-Latin

Hal-hal yang dirumuskan secara kongkrit dalam pedoman transliterasi Arab-Latin ini meliputi:

1. Konsonan
2. Vokal (tunggal dan rangkap)
3. Maddah
4. Ta'marbutah
5. Syaddah
6. Kata sandang (di depan huruf syamsiah dan qamariah)
7. Hamzah
8. Penulisan kata
9. Huruf kapital
10. Tajwid

Berikut penjelasannya secara berurutan:

1. Konsonan

Fonem konsonan bahasa Arab yang dalam sistem tulisan Arab dilambangkan dengan huruf, dalam transliterasi ini sebagian dilambangkan dengan huruf dan sebagian dilambangkan dengan tanda, dan sebagian lagi dengan huruf dan tanda sekaligus. Di bawah ini daftar huruf Arab itu dan transliterasinya dengan huruf Latin

Huruf Arab	Nama	Huruf Latin	Nama
ا	Alif	Tidak dilambangkan	tidak dilambangkan
ب	Ba	b	Be
ت	Ta	T	Te
ث	Ša	š	es (dengan titik di atas)
ج	Jim	J	Je
ح	Ha	ḥ	ha (dengan titik dibawah)
خ	Kha	Kh	ka dan ha
د	Dal	D	De
ذ	Žal	Ž	zet (dengan titik diatas)
ر	Ra	R	Er
ز	Zai	Z	Zet
س	Sin	S	Es
ش	Syin	Sy	es dan ye
ص	Šad	Š	es (dengan titik di bawah)
ض	Dad	D	de (dengan titik di bawah)
ط	Ṭa	Ṭ	te (dengan titik di bawah)
ظ	Za	Z	zet (dengan titik di bawah)
ع	‘ain	‘	koma terbalik (didas)
غ	Gain	G	Ge
ف	Fa	F	Ef
ق	Qaf	Q	Ki
ك	Kaf	K	Ka
ل	Lam	L	El
م	Mim	M	Em
ن	Nun	N	En
و	Wau	W	We

هـ	Ha	H	Ha
ء	Hamzah	‘	apostrof
ي	Ya	Y	Ye

2. Vokal (tunggal dan rangkap)

Vokal bahasa Arab, seperti vokal bahasa Indonesia, terdiri dari vokal tunggal atau monoftong dan vokal rangkap atau diftong.

1) Vokal Tunggal

Vokal tunggal bahasa Arab yang lambangnya berupa tanda atau harakat, transliterasinya sebagai berikut:

Tanda	Nama	Huruf Latin	Nama
ـَ	fathah	a	a
ـِ	kasrah	i	i
ـُ	dhammah	u	u

2) Vokal Rangkap

Vokal rangkap bahasa Arab yang lambangnya berupa gabungan antara harakat dan huruf, transliterasinya berupa gabungan huruf, yaitu:

Tanda	Nama huruf	Gabungan huruf	Nama
...ئـِ	fathah dan ya	ai	a dan i
...ؤـِ	fathah dan wau	au	a dan i

Contoh:

كَتَبَ - kataba

- فَعَلَ - fa'ala
 ذُكِرَ - zukira
 يَذْهَبُ - yažhabu
 سُئِلَ - su'ila
 كَيْفَ - kaifa
 هَوَّلَ - haula

3. Maddah

Maddah atau vokal panjang yang lambangnya berupa harakat dan huruf, transliterasinya berupa huruf dan tanda, yaitu:

Harakat dan Huruf	Nama	Huruf dan Tanda	Nama
...اى...ا	fathah dan alif atau ya	Ā	a dan garis di atas
...ى	kasrah dan ya	Ī	i dan garis di atas
...ؤ	dhammah dan wau	Ū	u dan garis di atas

Contoh:

قَالَ - qāla

رَمَى - ramā

قِيلَ - qīla

يَقُولُ - yaqūlu

4. Ta'marbutah

Transliterasi untuk ta marbuṭah ada dua:

1. Ta marbuṭah hidup

Ta marbuṭah yang hidup atau mendapat harakat faṭḥah, kasrah, dan dammah, transliterasinya adalah “t”.

2. Ta marbuṭah mati

Ta marbuṭah yang mati atau mendapat harakat sukun, transliterasinya adalah “h”. Kalau pada kata yang terakhir dengan ta marbuṭah diikuti oleh kata yang menggunakan kata sandang *al* serta bacaan kedua kata itu terpisah maka ta marbuṭah itu di transliterasikan dengan ha (h)

Contoh:

روضة الأطفال	- raudah al-ātfāl
المدينة المنورة	- al-Madīnah al- Munawwarah - al- Madīnatul-Munawwarah
طلحة	- Ṭalḥah

5. Syaddah

Syaddah atau tasydid yang dalam tulisan Arab dilambangkan dengan sebutan tanda, tanda syaddah atau tasydid, dalam transliterasi ini tanda syaddah tersebut dilambangkan dengan huruf, yaitu huruf yang sama dengan huruf yang diberi tanda syaddah itu.

Contoh:

رَبَّنَا	- rabbanā
نَزَّلَ	- nazzala
الْبِرِّ	- al-birr
الْحَجِّ	- al-hajj
نُعِمَ	- nu'ima

6. Kata Sandang

Kata sandang dalam sistem tulisan Arab dilambangkan dengan huruf, yaitu ال, namun dalam transliterasi ini kata sandang itu dibedakan atas kata sandang yang diikuti oleh huruf syamsiah dan kata sandang yang diikuti huruf qamariah.

1) Kata sandang yang diikuti oleh huruf syamsiah

Kata sandang yang diikuti oleh huruf syamsiah ditrans-literasikan sesuai dengan bunyinya, yaitu huruf /1/ diganti dengan huruf yang sama dengan huruf yang langsung mengikuti kata sandang itu.

2) Kata sandang yang diikuti oleh huruf qamariah

Kata sandang yang diikuti oleh huruf qamariah ditrans-literasikan sesuai aturan yang digariskan di depan dan sesuai dengan bunyinya.

Baik diikuti huruf syamsiah maupun huruf qamariah, kata sandang ditulis terpisah dari kata yang mengikuti dan dihubungkan dengan tanda sempang.

Contoh:

الرَّجُلُ	- ar-rajulu
السَّيِّدَةُ	- as-sayyidatu
الشَّمْسُ	- asy-syamsu
القَلَمُ	-al-qalamu
البَدِيعُ	- al-badī u
الْجَلَالُ	- al-jalālu

7. Hamzah

Dinyatakan di depan bahwa hamzah ditransliterasikan dengan apostrof. Namun, itu hanya berlaku bagi hamzah yang terletak di tengah dan di akhir kata. Bila hamzah itu terletak di awal kata maka dilambangkan, karena dalam tulisan Arab berupa alif.

Contoh:

تَأْخُذُونَ	- ta'khuzūna
النَّوْءُ	- an-nau'
شَيْءٍ	- syai'un
إِنَّ	- inna
أُمِرْتُ	- umirtu
أَكَلَ	- akala

8. Penulisan kata

Pada dasarnya setiap kata, baik fail, isim maupun harf ditulis terpisah. Hanya kata-kata tertentu yang penulisannya dengan huruf Arab sudah lazim dirangkaikan dengan kata lain karena ada huruf dan harakat yang dihilangkan maka transliterasi ini, penulisan kata tersebut dirangkaikan juga dengan kata lain yang mengikutinya.

Contoh:

وَ أَنَّ اللَّهَ هُوَ خَيْرُ الرَّازِقِينَ Wa innallāha lahuwa khair ar-rāziqīn wa innallāha lahuwa
khairurrāziqīn

وَأَوْفُوا الْكَيْلَ وَالْمِيزَانَ Fa auf al-kaila wa-almīzān
Fa aful-kaila wal-mīzān

إِبْرَاهِيمَ الْخَلِيلَ Ibrāhīm al-Khalīl
Ibrāhīmul-Khalīl

بِسْمِ اللَّهِ مَجْرَاهَا وَ مُرْسَاهَا Bismillāhi majreha wa mursāha

وَ اللَّهُ عَلَى النَّاسِ حَجُّ الْبَيْتِ مَنِ اسْتَطَاعَ إِلَيْهِ سَبِيلًا Walillāhi 'alan-nāsi hijju al-baiti manistaṭā'ā ilaihi sabīla
Walillāhi 'alan-nāsi hijjul-baiti manistaṭā'ā ilaihi sabīla

9. Huruf Kapital

Meskipun dalam sistem tulisan Arab huruf kapital tidak dikenal, dalam transliterasi ini huruf tersebut digunakan juga. Penggunaan huruf kapital

seperti apa yang berlaku dalam EYD, diantaranya: Huruf kapital digunakan untuk menuliskan huruf awal nama diri dan permulaan kalimat. Apabila nama diri didahului oleh kata sandang, maka yang ditulis dengan huruf kapital tetap huruf awal nama diri tersebut, bukan huruf awal kata sandangnya.

Contoh:

وَمَا مُحَمَّدٌ إِلَّا رَسُولٌ	Wa mā Muhammadun illā rasl
أَنَّ أَوَّلَ بَيْتٍ وُضِعَ لِلنَّاسِ لَلَّذِي بَيْنَكَ مُبَارَكًا	Inna awwal baitin wudi'a linnāsi lallaẓī bibakkata mubārakan
شَهْرُ رَمَضَانَ الَّذِي أُنزِلَ فِيهِ الْقُرْآنُ	Syahru Ramadān al-laẓī unzila fih al-Qur'ānu Syahru Ramadānal-laẓī unzila fihil Qur'ānu
وَلَقَدْ رَآهُ بِالْأُفُقِ الْمُبِينِ	Wa laqad ra'āhu bil-ufuq al mubīn Wa laqad ra'āhu bil-ufuqil- mubīni
الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ	Alhamdu lillāhi rabbi al-'ālamīn Alhamdu lillāhi rabbil'ālamīn

Penggunaan huruf awal kapital untuk Allah hanya berlaku bila dalam tulisan arabnya memang lengkap demikian dan kalau penulisan itu disatukan dengan kata lain sehingga ada huruf atau harakat yang dihilangkan, huruf kapital tidak dipergunakan.

نَصْرًا مِنَ اللَّهِ وَفَتْحًا قَرِيبًا

Lillāhi al-amru jamī an

Lillāhil-amru jamī an

وَاللَّهُ بِكُلِّ شَيْءٍ عَلِيمٌ

Wallāhu bikulli syai'in alīm

10. Tajwid

Bagi mereka yang menginginkan kefasihan dalam bacaan, pedoman transliterasi ini merupakan bagian yang tak terpisahkan dengan ilmu tajwid.

Oleh karena itu peresmian pedoman transliterasi ini perlu disertai dengan pedoman tajwid.



KATA PENGANTAR

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

إِنَّ الْحَمْدَ لِلَّهِ نَحْمَدُهُ وَنَسْتَعِينُهُ وَنَسْتَغْفِرُهُ وَنَعُوذُ بِاللَّهِ مِنْ شُرُورِ أَنْفُسِنَا وَمِنْ سَيِّئَاتِ أَعْمَالِنَا، مَنْ يَهْدِ اللَّهُ فَلَا مُضِلَّ لَهُ وَمَنْ يُضِلِّ اللَّهُ فَلَا هَادِيَ لَهُ. وَأَشْهَدُ أَنْ لَا إِلَهَ إِلَّا اللَّهُ وَحْدَهُ لَا شَرِيكَ لَهُ وَأَشْهَدُ أَنَّ مُحَمَّدًا عَبْدُهُ وَرَسُولُهُ. اللَّهُمَّ صَلِّ عَلَى مُحَمَّدٍ وَعَلَى آلِهِ وَصَحْبِهِ وَمَنْ تَبِعَهُمْ بِإِحْسَانٍ إِلَى يَوْمِ الدِّينِ

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BAB I PENDAHULUAN

A. Latar Belakang

Investasi merupakan komitmen untuk menanamkan sejumlah dana dengan tujuan memperoleh keuntungan di masa datang (Tandelilin, 2010). Sebelum memutuskan untuk berinvestasi pada umumnya investor mempertimbangkan segala kemungkinan yang terjadi di masa yang akan datang. Volatilitas adalah salah satu faktor yang sering dipertimbangkan oleh investor sebelum berinvestasi karena volatilitas sangat mempengaruhi besarnya *capital gain* ataupun dividen yang akan didapatkan. Volatilitas pasar terjadi akibat masuknya informasi baru ke dalam pasar atau bursa, akibatnya para pelaku pasar melakukan penilaian kembali terhadap aset yang mereka perdagangkan. Pada pasar efisien, tingkat harga akan melakukan penyesuaian dengan cepat sehingga harga yang terbentuk mencerminkan informasi baru tersebut (Anton, 2006).

Tingkat volatilitas yang tinggi menunjukkan karakteristik penawaran dan permintaan yang tidak biasa. Volatilitas harga saham adalah ukuran dari ketidakpastian tentang hasil yang dapat diperoleh dari saham (Judokusumo, 2007). Investor di Indonesia sangat mempertimbangkan volatilitas indeks bursa dunia sebagai dasar acuan keputusan investasi (Utama & Artini, 2015). Hal tersebut disebabkan indeks saham bursa dunia berpengaruh terhadap IHSG baik dalam jangka panjang maupun jangka pendek (Sihombing & Rizal, 2014).

Philip Best (1999) mengemukakan terdapat model-model volatilitas yang bisa digunakan dalam mengukur volatilitas salah satunya Model ARCH pada dasarnya digunakan untuk meramalkan risiko return harian kemudian dikembangkan menjadi model GARCH pada dasarnya hal tersebut untuk mengatasi variansi yang berubah menurut waktu. Beberapa peneliti dalam mengukur volatilitas saham banyak yang menggunakan model GARCH model ini adalah pengembangan dari Model ARCH dimana pada dasarnya model ini dapat digunakan untuk menganalisis data pada interval waktu yang berbeda. Untuk mendapatkan keuntungan di masa yang akan datang, investor harus mempertimbangkan indeks saham terbaik yang diperkirakan mampu menghadapi ketidakpastian saham di masa mendatang dengan membandingkan volatilitas dan kinerja saham dunia.

Pasar saham Indonesia memiliki hubungan kausalitas dengan pasar saham dunia (Adityara, 2012). Penelitian ini fokus pada pasar saham syariah dunia. Hubungan kausalitas atau sebab akibat tersebut menunjukkan ketergantungan antara negara satu dengan negara lain. Pada umumnya negara dengan kondisi ekonomi lemah lebih tergantung pada negara dengan perekonomian kuat. Hal ini salah satunya ditunjukkan Indonesia terhadap perekonomian luar negeri khususnya dalam bidang investasi (Mansur, 2005). Hal ini sejalan dengan temuan Utama dan Artini (2015) bahwa indeks bursa saham dunia mempengaruhi kondisi indeks harga saham negara lain termasuk IHSG Indonesia. Salah satu indeks bursa dunia yang berpengaruh positif

terhadap IHSG adalah saham America. IDJ mempengaruhi IHSG dalam jangka panjang dan jangka pendek (Sihombing & Rizal, 2014).

Saham syariah merupakan salah satu alternatif investasi bagi umat Islam yang halal dan bebas dari unsur *maisir*, *gharar* dan *riba* (Hanif, 2012). Investasi saham syariah menunjukkan perkembangan yang luar biasa. Sebesar 60% pasar saham di Indonesia dikuasai oleh saham syariah (Selasi, 2019). Peningkatan pasar saham syariah tentu saja disebabkan karena jumlah permintaan yang terus meningkat. Potensi bisnis dengan prinsip syariah dianggap lebih menguntungkan. Pemerintah mendukung investasi syariah dengan mengeluarkan berbagai kebijakan dan fatwa-fatwa (Hanif, 2012).

Dalam menentukan investasi saham terbaik, investor sebaiknya memahami volatilitas dan kinerja saham dunia mengingat volatilitas harga saham dunia berpengaruh terhadap pergerakan saham Indonesia. Selain itu, investor dituntut untuk memahami kinerja saham sehingga dengan resiko yang minimal investor dapat mendapatkan tingkat pengembalian yang optimal.

Penelitian tentang analisis kinerja saham, pertama kali dikemukakan oleh Fried, Brown, Herma, dan Vickers dalam tulisannya '*A Study of Mutual Found*' pada tahun 1962 (Redman, Gullet, & Manakyan, 2000). Beberapa tahun kemudian secara terpisah Treynor (1965), Sharpe (1966), dan Jensen (1968) memperkenalkan model untuk mengukur kinerja saham. Sejak itu, pengembangan model untuk mengukur kinerja saham telah banyak dilakukan

dan menghasilkan lebih dari 100 alternatif model khususnya model ukuran kinerja yang disesuaikan dengan risiko (Wiesinger, 2010)

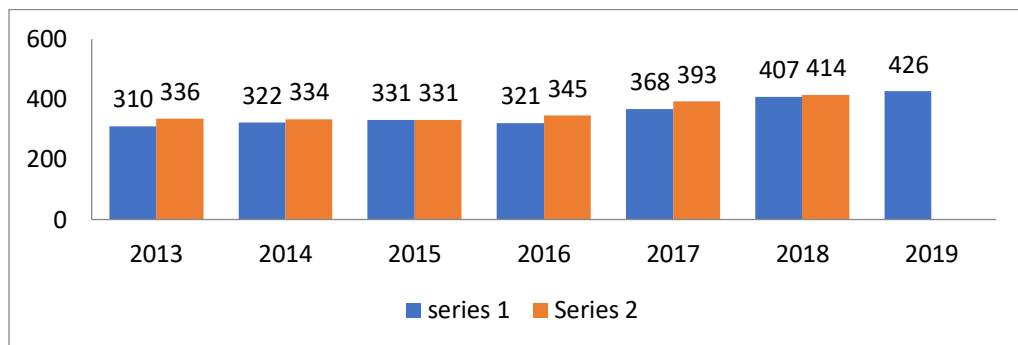
Jack Treynor merupakan pioner yang mempelopori model inovatif ukuran kinerja saham pada tahun 1965 yang modelnya dikenal dengan Treynor Ratio. Treynor Ratio terdiri atas 3 (tiga) komponen, yaitu return saham, return bebas risiko, dan risiko pasar yang diukur dengan beta saham. Banyak penelitian yang telah menggunakan Treynor Ratio untuk mengukur kinerja saham syariah di Indonesia, biasanya dikombinasikan dengan Sharpe Ratio dan Indeks Jansen, seperti (Utami, et. al., 2011).

Penelitian ini bertujuan untuk membandingkan volatilitas dan kinerja saham syariah di beberapa Negara yakni Indonesia (ISSI), Malaysia (FBM emas syariah), China (DJICJKU) dan AS (DJIMI). Keempat pasar saham syariah tersebut hampir memiliki kriteria yang sama yaitu tidak melanggar prinsip-prinsip syariah dan tidak bertentangan dengan aturan agama Islam (Saqib, Zafar, Khan, Roberts, & Muenzafar, 2015). Adapun kinerja saham yang akan diamati dalam penelitian ini adalah pergerakan *return* dan *risk* saham.

Menurut (Santoso, 2019) kondisi perekonomian global yang belum membaik bisa mengancam ekonomi nasional. Ini mengindikasikan tantangan dari perlambatan ekonomi global masih mewarnai ekonomi domestik dan juga tentunya kinerja pasar modal dan volatilitas saham. Perkembangan pasar modal mengalami penurunan akibat adanya perang dagang antara AS-China yang mempengaruhi perkembangan pasar modal Indonesia, Malaysia, China

dan Amerika Serikat. Menurut Hendarsah (2019) dari sisi domestik, indikator ekonomi Indonesia masih terjaga. Di tengah gejolak ekonomi global, pertumbuhan ekonomi masih bisa dijaga pada posisi 5,17 persen di 2018, pada tahun 2019 seharusnya bisa mendekati 5,5% persen, dengan berbagai upaya dari pemerintah dan Bank Indonesia sehingga dibandingkan 2018, volatilitas sudah lebih baik.

China dan AS merupakan negara dengan ekonomi terbesar di dunia. Perang dagang antara AS dan China sangat berdampak terhadap ekonomi dan perilaku investor pasar modal negara lain seperti Indonesia dan Malaysia (Teimouri & Raeissadat, 2019). Sementara itu, Malaysia merupakan salah satu negara di Asia yang menjadi tujuan utama kepindahan perusahaan asal China karena adanya perang dagang sehingga investasi di Malaysia meningkat tajam jika dibandingkan dengan tahun sebelumnya. Hal ini memotivasi perusahaan global semakin tertarik ke Malaysia karena memiliki iklim bisnis yang stabil (Mangkuto, 2019). Namun, prospek pertumbuhan Malaysia terus menghadapi risiko penurunan dengan potensi peningkatan ketegangan perdagangan dan lingkungan bisnis yang ada (Mara, 2019). Akibat adanya perang dagang indeks AS anjlok 617,38 poin atau 2,38% di akhir perdagangan. Tak berhenti di sana, indeks China langsung anjlok 1,1% pada saat pembukaan perdagangan (Roeslani, 2019). Adapun negara Indonesia merupakan negara di Asia dengan jumlah emiten paling banyak. Perkembangan saham syariah di Indonesia dari tahun 2013 hingga 2019 ditunjukkan Gambar 1.1.

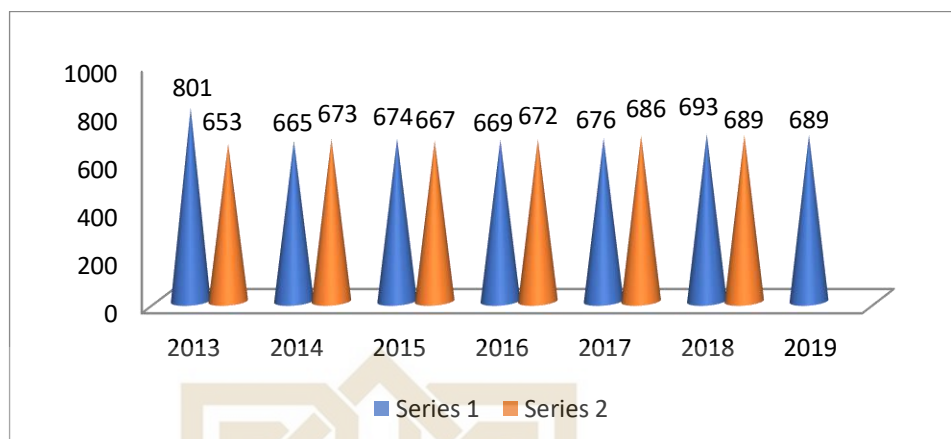


Gambar 1.1

Grafik Perkembangan Saham Syariah di Indonesia

Sumber : www.ojk.com (2020).

Gambar 1.1 menunjukkan saham syariah di Indonesia mengalami perkembangan dan menunjukkan kinerja yang positif. Hal tersebut ditunjukkan melalui jumlah saham syariah di Indonesia yang terus meningkat sejak tahun 2017 hingga tahun 2019. Tahun 2019 jumlah saham syariah naik menjadi 414. Naik 21 jika dibandingkan tahun sebelumnya dan meningkat menjadi 426 pada tahun 2019. Jumlah beli investor asing bersih (*net foreign buy*) pada saham Indonesia dapat dikatakan cukup besar yaitu Rp. 64,9 triliun. Sebagai perbandingan, meskipun perkembangan pasar saham syariah di Malaysia juga mengalami peningkatan seiring dengan pertumbuhan pasar modal konvensional, namun, perkembangan pasar modal syariah Malaysia tidak begitu signifikan jika dibandingkan dengan pasar modal syariah di Indonesia. Perkembangan jumlah saham syariah di Malaysia ditunjukkan Gambar 1.2.

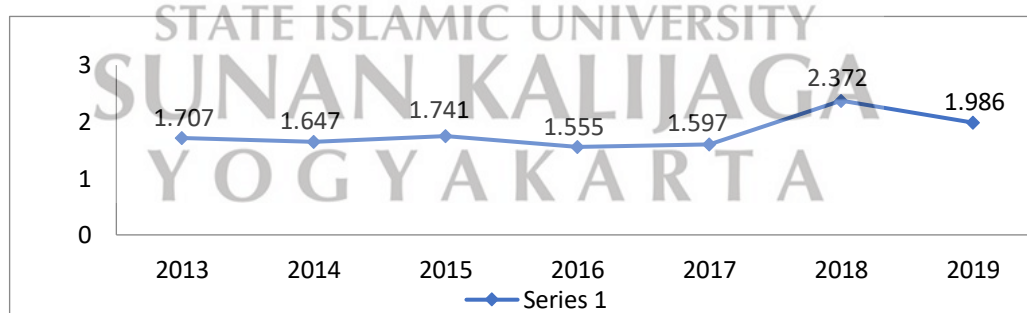


Gambar 1.2

Gambar Perkembangan Saham Syariah di Malaysia

Sumber : diolah oleh penulis dari *Security Commision Malaysia*, 2020.

Gambar 1.2 menunjukkan penurunan saham syariah di Malaysia. Pada tahun 2018 periode pertama jumlah saham syariah berjumlah 693, turun menjadi 689, dan stagnan di tahun 2019. Sejalan dengan Malaysia, perkembangan pasar modal syariah di China Indeks *Dow Jones Islamic Market China / Hongkong (DJICHKU)* mengalami penurunan. Perkembangan *historical performance* DJICHKU di China dari tahun 2013 sampai tahun 2019 ditunjukkan Gambar 1.3.



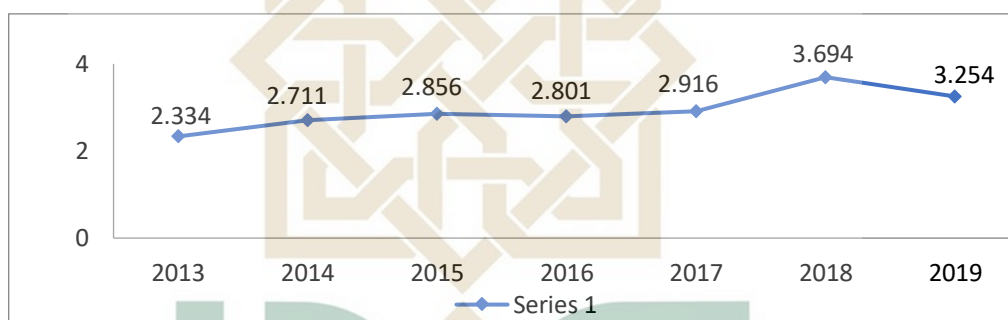
Gambar 1.3

Grafik Perkembangan *Historical Performance* DJICHKU

Sumber: S&P Dow Jones Indices China/Hongkong Titan, 2020

Gambar 1.3 menunjukkan penurunan data *historical performance* di tahun 2019. Pada tahun 2018, *historical performance* berjumlah (2,372) dan

pada tahun 2019 turun menjadi (1,986). Hal tersebut sejalan dengan hilangnya kekuatan China dalam melawan dolar AS. Ketidakpastian ini disebabkan ketegangan perang dagang pemerintah China telah memperketat kondisi keuangannya (Karen, 2019).Sejalan dengan China, pasar modal syariah di Amerika *Dow Jones Islamic Market Index* mengalami penurunan. Gambar 1.4 menunjukkan perkembangan *historical performance DJIM* di Amerika dari tahun 2013 sampai dengan tahun 2019.



Gambar 1.4

Grafik Perkembangan *Historical Performance DJIM*

Sumber: S&P Dow Jones Indices World Index, 2020.

Gambar 1.4 menunjukkan bahwa di tahun 2019 Amerika mengalami penurunan *historical Performace* dibandingkan tahun sebelumnya . Di sisi lain, Indeks Volatilitas pasar saham Amerika melonjak 34% pada tahun 2019 (Mark, 2019) dan merupakan level tertinggi untuk level Indeks. Meskipun gejolak pasar dapat menyiratkan investor yang mempertimbangkan prospek kenaikan tarif AS terhadap impor China menjadi 25% dari 10% yang menekan permusuhan antara negara adidaya ekonomi terbesar dunia. Kondisi itu tidak biasa karena investor cenderung kurang tahu tentang masa depan dan karena itu, investor akan membayar harga yang lebih tinggi untuk perlindungan terhadap penurunan saham.

Uraian di atas menunjukkan volatilitas dan kinerja pasar modal di Indonesia menunjukkan perkembangan yang baik. Perkembangan ini berbanding terbalik dengan kondisi pasar modal syariah di Malaysia, China dan Amerika. Perkembangan saham Malaysia (FBMS) *EMAS Syariah* yang mengalami penurunan ditahun 2018. Perkembangan bursa saham China juga buruk yang ditandai rontoknya harga saham sejumlah sektor. Secara keseluruhan indeks (DJCHKU) merosot hingga 25% yang menjadi pasar saham utama berkinerja paling jeblok. Banyaknya investor ritel yang berpartisipasi di bursa saham di China membuat proses pembentukan harga saham tidak lagi memperhatikan fundamental perusahaan, namun lebih banyak mengacu pada momentum pasar yang antara lain dapat dipicu oleh suatu kebijakan. Adapun bursa saham AS terkait indeks *dow jones Islamic market* (DJIMI) juga mengalami penurunan. Total aset di Indonesia terlihat lebih baik dibandingkan kapitalisasi pasar di Amerika.

Salah satu faktor yang membuat optimisme investor turun adalah perang dagang Amerika Serikat dan China yang dikhawatirkan berimbas ke ekonomi nasional, belum meredanya perang dagang berimbas pada menurunnya kinerja perusahaan. Dengan demikian, pasar modal perlu mengantisipasi eskalasi perang dagang antara Amerika Serikat dan China (Santoso, 2019) .

Banyak penilaian kinerja didasarkan pada standar kinerja. Standar kinerja digunakan untuk menentukan apakah seseorang memenuhi atau melampaui ekspektasi perusahaan. Ada beberapa jenis penilaian, termasuk

skala peringkat grafis, yang merupakan evaluasi langsung dengan peringkat numeric. Dalam mengukur kinerja saham peneliti menggunakan 3 metode pengukuran Indeks yaitu sharpe, treynor, dan jensen. Selanjutnya untuk mengkaji model volatilitas harga saham peneliti menggunakan model ARCH/GARCH.

Beberapa penelitian tentang volatilitas dan kinerja saham telah banyak diteliti dan menunjukkan hasil yang berbeda-beda. Penelitian yang dilakukan oleh Listyaningsih dan Krishnamurti (2016) menunjukkan pada periode 2008-2012 ditemukan bahwa terdapat GARCH (1,0) dimana ARCH mempengaruhi volatilitas kembali dan berpengaruh negatif signifikan terhadap volatilitas return. Temuan ini juga mengungkapkan bahwa saham syariah Indonesia memiliki volatilitas yang lebih rendah sesuai dengan teori dimana Indonesia memiliki saham volatilitas rendah karena karakteristiknya yaitu kepatuhan syariah, kapitalisasi pasar tinggi dan likuiditas tinggi. Penelitian juga dilakukan oleh Tulasmi dan Trihariyanto (2016) menunjukkan bahwa kinerja saham syariah Malaysia lebih baik dari saham syariah Indonesia. Namun, pasca terjadi perang dagang AS-China tahun 2018, saham syariah di Malaysia, China dan Amerika mengalami penurunan sedangkan di Indonesia mengalami peningkatan.

Pranata (2015) yang menyatakan tidak terdapat perbedaan kinerja yang signifikan antara JII dan LQ45. JII kurang *volatile* dibandingkan LQ45 kecuali pada tahun 2010 dan kinerja JII kurang dipengaruhi oleh faktor

eksternal. Selain itu, hasil tersebut memberikan tantangan bagi otoritas untuk mendidik masyarakat khususnya yang peduli pada prinsip syariah dengan informasi bahwa kinerja indeks Islam tidak jauh berbeda dari indeks konvensional.

Penelitian juga dilakukan oleh Sugiharti (2018) yang menggunakan model GARCH untuk mendapatkan perkiraan nilai volatilitas nilai tukar menggunakan data bulanan yang mencakup dari tahun 2006 hingga 2018. Hasil menunjukkan volatilitas nilai tukar memiliki berpengaruh signifikan terhadap ekspor komoditas salah satunya ke Amerika Serikat baik dalam jangka pendek maupun jangka panjang. Nilai tukar volatilitas ekspor ke China hanya berdampak pada barang plastik. Indeks Produksi Industri (IIP) memiliki pengaruh jangka panjang yang kuat terhadap ekspor ke negara-negara Asia. Model agregat ARDL dan NARDL menunjukkan bahwa ekspor Indonesia dipengaruhi oleh fluktuasi nilai tukar.

Penelitian juga dilakukan oleh Chang Shu (2012) mengenai dampak pasar keuangan China pada ekonomi Asia-Pasifik lainnya dan membandingkannya dengan Amerika Serikat. Hasil penelitian menunjukkan China berpengaruh signifikan terhadap ekuitas pasar regional. Pengaruh China di pasar saham Asia sebanding dengan Amerika Serikat meskipun pasar keuangan Asia cenderung lebih kuat dari China. Pengaruh China yang meningkat sejalan dengan interaksi yang dilakukan oleh Amerika Serikat. Hal tersebut memiliki implikasi signifikan terhadap pasar keuangan dan aliran

modal ke Asia Pasifik. Pengaruh Amerika Serikat di pasar dunia tetap dominan dalam mendorong kondisi likuiditas global. Perbandingan yang dilakukan peneliti pertama dapat dilihat pada volatilitas dan kinerja pasar saham syariah meskipun jumlah saham Syariah Indonesia masih lebih sedikit dibandingkan dengan Malaysia, China dan Amerika tetapi apabila dilihat dari pertumbuhannya terjadi kondisi terbalik yang menjadi salah satu alasan untuk membandingkan dengan negara-negara yang memiliki pasar modal syariah dengan perkembangan jumlah saham yang cukup baik.

Dengan mempertimbangkan argumentasi yang mengacu pada literatur yang sebelumnya sebagaimana yang dikemukakan di atas, maka permasalahan ini menarik untuk diteliti. Peneliti tertarik untuk menguji, menjelaskan dan mengevaluasi bukti empiris terkait perubahan dan perkembangan pasar modal pada bursa efek yang ada di *Indek Saham Syariah Indonesia (ISSI)*, *FTSE Bursa Malaysia Emas Syariah Index (FBMS)*, *China/Hongkong (DJICHKU)* dan bursa efek yang ada di *Dow Jones Islamic market index (DJIMI)* dengan menggunakan dua variabel yaitu volatilitas dan kinerja saham. Sehingga judul dalam penelitian ini adalah **“PERBANDINGAN VOLATILITAS DAN KINERJA SAHAM SYARIAH INDONESIA, MALAYSIA, CHINA DAN AMERIKA SERIKAT PERIODE 2015-2019”**.

B. Rumusan Masalah

Berdasarkan latar belakang di atas, rumusan masalah pada penelitian ini sebagai berikut:

1. Apakah volatilitas saham syariah Indonesia (ISSI) lebih rendah dibandingkan Negara Malaysia (FBMS), China (DJICHKU) dan Amerika (DJIMI) dengan menggunakan model ARCH/GARCH?
2. Apakah kinerja saham syariah Indonesia (ISSI) lebih baik dan dibandingkan Negara Malaysia (FBMS), China (DJICHKU) dan Amerika (DJIMI) diukur dengan metode Sharpe, Treynor, Jensen?

C. Tujuan Penelitian

Berdasarkan rumusan masalah yang dipaparkan di atas, maka tujuan penelitian ini adalah:

1. Untuk menjelaskan dan menganalisis hasil uji beda dari volatilitas saham syariah ISSI, FBMS, DJICHKU dan DJIMI dengan model ARCH/GARCH.
2. Untuk menjelaskan dan menganalisis hasil uji beda dari kinerja saham ISSI, FBMS, DJICHKU dan DJIMI diukur dengan metode Sharpe, Treynor, Jensen.

D. Manfaat Penelitian

Manfaat yang diharapkan dalam penelitian ini adalah sebagai berikut:

1. Secara akademis, penelitian ini diharapkan memberikan kontribusi ilmiah pada kajian tentang perbandingan volatilitas dan kinerja saham syariah dan juga diharapkan mampu menyediakan referensi baru serta menambah

khazanah literatur mengenai volatilitas dan kinerja saham syariah ISSI, FBMS, DJICJKU dan DJIMI yang masih minim dari penelitian secara ilmiah dengan metodologi yang baik dan benar.

2. Secara praktis, penelitian ini diharapkan mampu memberikan tambahan informasi kepada masyarakat khususnya kepada investor mengenai volatilitas dan kinerja saham syariah Indonesia, Malaysia, China dan Amerika pada tahun 2015-2019. Dengan demikian, masyarakat dan investor dapat melakukan penilaian terhadap saham syariah Indonesia, Malaysia, China dan Amerika secara objektif dan rasional.

E. Sistematika Penulisan

Sistematika dalam penelitian ini dapat dijelaskan sebagai berikut:

Bab pertama mengenai latar belakang terkait perbandingan volatilitas dilihat dari besarnya likuiditas dan kinerja dilihat dari karakteristik saham dan rasio total utang, rumusan masalah, tujuan dan kegunaan penelitian serta sistematika penelitian.

Bab kedua adalah landasan teori yang berisi semua teori yang digunakan dalam meneliti permasalahan. Teori yang dipaparkan berupa volatilitas dan kinerja saham syariah. Dalam pengembangan hipotesis selain menggunakan logika berpikir dan teori penulis juga menggunakan hasil penelitian-penelitian terdahulu untuk memperkuat argumen dalam perumusan hipotesis serta perkembangan yang terjadi dipasar modal syariah akibat adanya perang dagang yang digunakan sebagai dasar dalam pengajuan hipotesis.

Bab ketiga adalah metodologi penelitian yang digunakan. Variabel penelitian yaitu volatilitas dan kinerja saham masing- masing Negara . Objek penelitian berisi tentang sumber data serta teknik analisis data berupa alat analisis yang digunakan dalam penelitian.

Bab keempat yaitu hasil penelitian terhadap analisis deskriptif dari data yang telah diperoleh dan diolah sebelumnya. Dalam hasil penelitian dikemukakan tentang alasan yang menjadi jawaban atas rumusan masalah yang tertulis pada bab pertama.

Bab kelima berisi kesimpulan, implikasi dan saran. kesimpulan berisi ringkasan dengan implikasi kebijakan yang harus diambil berdasarkan temuan penelitian. Adapun saran menjelaskan keterbatasan penelitian dan saran yang diberikan untuk penelitian selanjutnya.

BAB V PENUTUP

A. Kesimpulan

Berdasarkan pembahasan di atas, maka diperoleh kesimpulan sebagai berikut:

1. Volatilitas harga saham ISSI tidak lebih rendah jika dibandingkan dengan volatilitas FBMS, DJICJKU dan DJIMI karena jika diurutkan berdasarkan rankingnya, posisi volatilitas ISSI berada pada tingkat kedua. Hasil penjumlahan α dan β ISSI sebesar 0,98909; FBMS sebesar 1,80803, DJICJKU sebesar 0,96845 dan DJIMI sebesar 0,91265. Dengan demikian volatilitas Indonesia (ISSI) lebih rendah dibandingkan Malaysia (FBMS) karena Indonesia memiliki karakteristik kepatuhan syariah, kapitalisasi pasar tinggi dan likuiditas yang tinggi.
2. Terdapat perbedaan kinerja antara saham syariah di Indonesia, Malaysia, China dan Amerika. Hasil pengukuran kinerja menunjukkan saham syariah Indonesia memiliki kinerja lebih baik jika diukur menggunakan metode Jensen dan jika diukur dengan metode sharpe dan treynor Amerika memiliki kinerja lebih baik dibandingkan Indonesia, Malaysia dan China. Dengan demikian Indonesia (ISSI) memiliki kinerja lebih baik diukur dengan metode jensen karena Pertumbuhan kinerja saham syariah Indonesia berkembang sangat pesat, ditahun 2013-2019, berbeda dengan yang dialami Malaysia, China dan Amerika justru mengalami penurunan, namun jika diukur dengan metode sharpe dan treynor Amerika memiliki kinerja lebih baik dikarenakan Amerika memiliki pasar terbesar dengan nilai kapitalisasi saham terbesar, yang kinerjanya tentunya yang paling menjanjikan.

B. Implikasi

Implikasi dari penelitian ini terdiri dari implikasi teoritis, praktis, dan kebijakan. Penjelasan lebih lanjut diuraikan di bawah ini.

1. Implikasi Teoritis

Hasil Penelitian ini mengungkapkan pengukuran kinerja yang menunjukkan bahwa Indonesia dan Amerika memiliki kinerja yang baik jika dibandingkan dengan kinerja saham syariah di Malaysia dan China sehingga investor sebaiknya menanamkan sahamnya di ISSI atau DJIMI agar mendapatkan *return* yang tinggi. Kemudian, hasil penelitian menunjukkan bahwa volatilitas harga saham ISSI lebih rendah jika dibandingkan dengan volatilitas saham FBMS, DJICHKU dan DJIMI. Hal ini menunjukkan bahwa naik turunnya harga saham syariah di Indonesia lebih stabil jika dibandingkan dengan FBMS, DJICHKU dan DJIMI sehingga untuk investor yang kurang menyukai risiko dapat menanamkan saham di ISSI. Berbeda dengan ISSI, harga saham FBMS, DJICHKU dan DJIMI memiliki volatilitas yang tinggi yang mengindikasikan harga saham dapat naik tinggi dengan cepat lalu tiba-tiba turun dengan cepat juga, sehingga memunculkan selisih sangat besar antara harga terendah dan harga tertinggi dalam suatu waktu.

2. Implikasi Praktis

Berdasarkan hasil penelitian volatilitas harga saham bisa memberikan keuntungan untuk investor manapun. Investor dapat melakukan *buy-and-hold*, di mana saham yang telah dibeli akan ditahan dalam periode yang lama, kadang

hingga bertahun-tahun sehingga investor dapat mendapatkan dividen dari pertumbuhan perusahaan. Strategi ini berdasarkan asumsi bahwa fluktuasi atau naik-turun di pasar, secara garis besar memberikan keuntungan jangka panjang. Jika investor telah menanamkan saham di ISSI, FBMS, DJICHTU dan DJIMI maka investor tersebut dapat menerapkan konsep *buy-and-hold* sehingga mendapatkan keuntungan jangka panjang. Hasil ini diharapkan dapat menjadi salah satu dasar penyusunan strategi dipasar modal khususnya pada saham syariah. Hasil penelitian juga memberikan informasi kepada investor dalam berinvestasi maupun bagi akademisi untuk menjadi bahan kajian di bidang pasar modal syariah dan dapat menjadi solusi dalam pengambilan keputusan untuk berinvestasi disaham syariah.

3. Implikasi Kebijakan

Hasil penelitian ini dapat dijadikan sebagai rujukan kebijakan oleh pemerintah untuk memberikan perhatian terhadap nasib produksi lokal supaya memiliki daya saing dalam menghadapi kondisi perang dagang. Kebijakan pemerintah diharapkan dapat mengawasi perputaran saham syariah untuk meminimalisir kecurangan dan sebaga antisipasi perang dagang China dan Amerika Serikat. Beberapa Instansi Pemerintah seperti Otoritas Jasa Keuangan (OJK), Bank Indonesia, dan Dewan Syariah Nasional Majelis Ulama Indonesia (DSN-MUI) seharusnya melakukan lebih banyak sosialisasi dan edukasi kepada masyarakat mengenai mekanisme dalam investasi pada saham syariah. Pemerintah melalui instansi-instansi tersebut diharapkan dapat berperan dengan

mengeluarkan beberapa kebijakan agar kondisi pasar modal syariah stabil dan mampu bersaing dengan pasar modal Malaysia, China dan Amerika.

C. Saran

1. Bagi Investor memiliki pemahaman yang tepat tentang keuangan dan pengaturan ekonomi negara akan meningkatkan pengambilan keputusan investasi yang lebih baik. Pemahaman tentang perilaku keuangan sangat penting bagi semua investor jika mereka ingin tetap aktif di pasar saham. Investor harus meningkatkan keterampilan tentang cara membuat keputusan investasi yang menguntungkan. Sebelum berinvestasi di pasar investor perlu mengetahui volatilitas harga saham dan kinerja saham agar bisa membuat keputusan berinvestasi yang tepat.
2. Bagi penelitian selanjutnya, harus menggunakan lebih banyak variabel yang digunakan untuk tujuan generalisasi karena penelitian ini hanya menggunakan 2 variabel yaitu volatilitas dan kinerja serta dapat menambah metode pengukuran kinerja agar hasil penelitian lebih akurat dan juga bisa menambah lebih banyak objek penelitian di negara-negara lain yang mempunyai saham syariah.

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LAMPIRAN

Lampiran 1. Tabel data Closing Price dan return Indeks ISSI

Return Saham Syariah Indonesia tahun 2015-2016

Periode	Close price 2015	Return 2015	Periode	Close price 2016	Return 2016
30-Dec-15	145.06	0.009393918	30-Dec-16	172.08	-0.00156658
29-Dec-15	143.71	0.00342131	29-Dec-16	172.35	0.018737439
28-Dec-15	143.22	0.008520527	28-Dec-16	169.18	0.023410562
23-Dec-15	142.01	-0.00168717	27-Dec-16	165.31	0.014171779
22-Dec-15	142.25	0.005513536	23-Dec-16	163	-0.00670323
21-Dec-15	141.47	0.005830075	22-Dec-16	164.1	-0.015124235
18-Dec-15	140.65	-0.014849058	21-Dec-16	166.62	-0.004897277
17-Dec-15	142.77	0.024175036	20-Dec-16	167.44	-0.010635784
16-Dec-15	139.4	0.013818182	19-Dec-16	169.24	-0.008785288
15-Dec-15	137.5	0.00947067	16-Dec-16	170.74	-0.006921422
14-Dec-15	136.21	-0.002124542	15-Dec-16	171.93	-0.003535412
11-Dec-15	136.5	-0.019326101	14-Dec-16	172.54	-0.007991721
10-Dec-15	139.19	-0.003365316	13-Dec-16	173.93	-0.00423656
8-Dec-15	139.66	-0.017101837	9-Dec-16	174.67	0.001318505
7-Dec-15	142.09	0.003673095	8-Dec-16	174.44	0.007217507
4-Dec-15	141.57	-0.006735424	7-Dec-16	173.19	-0.004082806
3-Dec-15	142.53	-0.002798573	6-Dec-16	173.9	-0.00109139
2-Dec-15	142.93	-0.001676329	5-Dec-16	174.09	0.004326757
1-Dec-15	143.17	0.024105866	2-Dec-16	173.34	0.008025122
30-Nov-15	139.8	-0.026801253	1-Dec-16	171.96	0.011529412
27-Nov-15	143.65	-0.003192006	30-Nov-16	170	-0.000235239
26-Nov-15	144.11	0.003062574	29-Nov-16	170.04	0.006392045
25-Nov-15	143.67	0.006303845	28-Nov-16	168.96	0.002135231
24-Nov-15	142.77	-0.001119429	25-Nov-16	168.6	0.003690916
23-Nov-15	142.93	-0.009699993	24-Nov-16	167.98	-0.018579107
20-Nov-15	144.33	0.011918951	23-Nov-16	171.16	0.005345081
19-Nov-15	142.63	0.006350102	22-Nov-16	170.25	0.006384111
18-Nov-15	141.73	0.004322562	21-Nov-16	169.17	-0.004296645
17-Nov-15	141.12	0.010092334	18-Nov-16	169.9	-0.007013442
16-Nov-15	139.71	-0.009429949	17-Nov-16	171.1	-0.000116877
13-Nov-15	141.04	0.00334353	16-Nov-16	171.12	0.02473202
12-Nov-15	140.57	-0.001633523	15-Nov-16	166.99	-0.009549229

11-Nov-15	140.8	0.002206563	14-Nov-16	168.6	-0.021985034
10-Nov-15	140.49	-0.010564124	11-Nov-16	172.39	-0.042543738
9-Nov-15	141.99	-0.016076502	10-Nov-16	180.05	0.010268208
6-Nov-15	144.31	-0.002350501	9-Nov-16	178.22	-0.010932904
5-Nov-15	144.65	-0.007410965	8-Nov-16	180.19	0.016070824
4-Nov-15	145.73	0.015469305	7-Nov-16	177.34	0.004759207
3-Nov-15	143.51	0.009780467	4-Nov-16	176.5	0.006386133
2-Nov-15	142.12	0.008229285	3-Nov-16	175.38	-0.014774451
30-Oct-15	140.96	0.000283849	2-Nov-16	178.01	-0.00436266
29-Oct-15	140.92	-0.030878206	1-Nov-16	178.79	-0.002399286
28-Oct-15	145.41	-0.012830957	31-Oct-16	179.22	0.001844709
27-Oct-15	147.3	-0.004527945	28-Oct-16	178.89	-0.002676033
26-Oct-15	147.97	0.006530168	27-Oct-16	179.37	0.003861652
23-Oct-15	147.01	0.014071877	26-Oct-16	178.68	0.001232769
22-Oct-15	144.97	-0.008413133	25-Oct-16	178.46	-0.00284964
21-Oct-15	146.2	0.004810997	24-Oct-16	178.97	0.005110637
20-Oct-15	145.5	0.00179014	21-Oct-16	178.06	-0.001234014
19-Oct-15	145.24	0.011631957	20-Oct-16	178.28	-0.000952648
16-Oct-15	143.57	0.004266928	19-Oct-16	178.45	-0.00435195
15-Oct-15	142.96	0.006760563	18-Oct-16	179.23	0.007306244
13-Oct-15	142	-0.034407725	17-Oct-16	177.93	-0.001459117
12-Oct-15	147.06	0.007605344	14-Oct-16	178.19	0.008946266
9-Oct-15	145.95	0.020986359	13-Oct-16	176.61	-0.006581168
8-Oct-15	142.95	-0.001187814	12-Oct-16	177.78	-0.002132914
7-Oct-15	143.12	0.009451263	11-Oct-16	178.16	0.005077288
6-Oct-15	141.78	0.023830156	10-Oct-16	177.26	-0.000338371
5-Oct-15	138.48	0.031354733	7-Oct-16	177.32	-0.003652301
2-Oct-15	134.27	-0.012938322	6-Oct-16	177.97	-0.002633939
1-Oct-15	136.03	0.012203289	5-Oct-16	178.44	-0.011412742
30-Sep-15	134.39	0.0064405	4-Oct-16	180.5	-0.000276932
29-Sep-15	133.53	0.014588557	3-Oct-16	180.55	0.020460069
28-Sep-15	131.61	-0.022213967	30-Sep-16	176.93	-0.016509172
25-Sep-15	134.6	-0.005834995	29-Sep-16	179.9	0.006489874
23-Sep-15	135.39	-0.021324274	28-Sep-16	178.74	0.002748948
22-Sep-15	138.34	-0.009451525	27-Sep-16	178.25	0.01272655
21-Sep-15	139.66	-0.000357884	26-Sep-16	176.01	-0.008729444
18-Sep-15	139.71	0.001433589	23-Sep-16	177.56	0.002031603
17-Sep-15	139.51	0.010283149	22-Sep-16	177.2	0.004990926

16-Sep-15	138.09	-0.003751533	21-Sep-16	176.32	0.010082493
15-Sep-15	138.61	-0.013662563	20-Sep-16	174.56	-0.003880393
14-Sep-15	140.53	0.007961555	19-Sep-16	175.24	0.013709724
11-Sep-15	139.42	0.009119861	16-Sep-16	172.87	-0.006437152
10-Sep-15	138.16	0.0029036	15-Sep-16	173.99	0.026731972
9-Sep-15	137.76	0.01056338	14-Sep-16	169.46	-0.015854579
8-Sep-15	136.32	0.003459698	13-Sep-16	172.19	-0.01532567
7-Sep-15	135.85	-0.032338486	9-Sep-16	174.87	-0.016202532
4-Sep-15	140.39	-0.0040437	8-Sep-16	177.75	-0.003475921
3-Sep-15	140.96	0.012716431	7-Sep-16	178.37	0.000560947
2-Sep-15	139.19	-0.002794097	6-Sep-16	178.27	0.00264342
1-Sep-15	139.58	-0.019183473	5-Sep-16	177.8	0.00152087
31-Aug-15	142.31	0.01795422	2-Sep-16	177.53	0.005266138
28-Aug-15	139.8	0.003445306	1-Sep-16	176.6	-0.011530281
27-Aug-15	139.32	0.045788921	31-Aug-16	178.66	0.006705359
26-Aug-15	133.22	-0.003291935	30-Aug-16	177.47	0.001297675
25-Aug-15	133.66	0.012269009	29-Aug-16	177.24	-0.016371608
24-Aug-15	132.04	-0.043327054	26-Aug-16	180.19	-0.000720941
21-Aug-15	138.02	-0.024179864	25-Aug-16	180.32	0.010989011
20-Aug-15	141.44	-0.008621294	24-Aug-16	178.36	-0.004298554
19-Aug-15	142.67	-0.006960395	23-Aug-16	179.13	-0.001059558
18-Aug-15	143.67	-0.015149438	22-Aug-16	179.32	0.005777105
14-Aug-15	145.88	0.001304139	19-Aug-16	178.29	-0.012900011
13-Aug-15	145.69	0.029684077	18-Aug-16	180.62	0.018610422
12-Aug-15	141.49	-0.035251602	16-Aug-16	177.32	0.010197687
11-Aug-15	146.66	-0.028098078	15-Aug-16	175.53	-0.015148965
10-Aug-15	150.9	-0.005732358	12-Aug-16	178.23	-0.00988834
7-Aug-15	151.77	-0.004525777	11-Aug-16	180.01	-0.001885223
6-Aug-15	152.46	-0.013523132	10-Aug-16	180.35	-0.000941724
5-Aug-15	154.55	0.010857479	9-Aug-16	180.52	-0.00060898
4-Aug-15	152.89	-0.00338961	8-Aug-16	180.63	0.009444507
3-Aug-15	153.41	-0.007055016	5-Aug-16	178.94	0.006411699

31-Jul-15	154.5	0.016714925	4-Aug-16	177.8	0.00508762
30-Jul-15	151.96	-0.000526177	3-Aug-16	176.9	-0.003660941
29-Jul-15	152.04	0.001779008	2-Aug-16	177.55	-0.003759398
28-Jul-15	151.77	-0.005960178	1-Aug-16	178.22	0.025726619
27-Jul-15	152.68	-0.018198187	29-Jul-16	173.75	-0.013680745
24-Jul-15	155.51	-0.010939388	28-Jul-16	176.16	0.008761381
23-Jul-15	157.23	-0.001587503	27-Jul-16	174.63	0.013522925
22-Jul-15	157.48	0.004528928	26-Jul-16	172.3	0.002152039
15-Jul-15	156.77	-0.003812671	25-Jul-16	171.93	0.010580145
14-Jul-15	157.37	0.001208805	22-Jul-16	170.13	-0.001115547
13-Jul-15	157.18	0.008598563	21-Jul-16	170.32	-0.008960782
10-Jul-15	155.84	0.003541761	20-Jul-16	171.86	0.006323926
9-Jul-15	155.29	-0.009124553	19-Jul-16	170.78	0.004706436
8-Jul-15	156.72	-0.007724452	18-Jul-16	169.98	0.00627516
7-Jul-15	157.94	-0.003092849	15-Jul-16	168.92	0.005895314
6-Jul-15	158.43	-0.012712657	14-Jul-16	167.93	-0.012234574
3-Jul-15	160.47	0.010261899	13-Jul-16	170.01	0.012808293
2-Jul-15	158.84	0.008956362	12-Jul-16	167.86	0.003047505
1-Jul-15	157.43	-0.003102837	11-Jul-16	167.35	0.017634539
30-Jun-15	157.92	0.006757618	1-Jul-16	164.45	-0.008979149
29-Jun-15	156.86	-0.010159652	30-Jun-16	165.94	0.00685638
26-Jun-15	158.47	-0.002203753	29-Jun-16	164.81	0.020748173
25-Jun-15	158.82	-0.007623094	28-Jun-16	161.46	0.005605381
24-Jun-15	160.04	0.011566905	27-Jun-16	160.56	0.003437285
23-Jun-15	158.21	-0.004342354	24-Jun-16	160.01	-0.010084138
22-Jun-15	158.9	-0.00606743	23-Jun-16	161.64	-0.004495904
19-Jun-15	159.87	0.003704169	22-Jun-16	162.37	0.006696013
18-Jun-15	159.28	0.005111378	21-Jun-16	161.29	0.003047264
17-Jun-15	158.47	0.011489117	20-Jun-16	160.8	0.005314161
16-Jun-15	156.67	0.005971491	17-Jun-16	159.95	0.007114973
15-Jun-15	155.74	-0.022961104	16-Jun-16	158.82	-0.003075764
12-Jun-15	159.4	-0.001315707	15-Jun-16	159.31	0.005808448
11-Jun-15	159.61	0.00131744	14-Jun-16	158.39	0.003039706
10-Jun-15	159.4	0.012577817	13-Jun-16	157.91	-0.006355399
9-Jun-15	157.42	-0.022236025	10-Jun-16	158.92	-0.005755756
8-Jun-15	161	-0.016253208	9-Jun-16	159.84	-0.005042017
5-Jun-15	163.66	-0.00189059	8-Jun-16	160.65	-0.005078343
4-Jun-15	163.97	-0.008765566	7-Jun-16	161.47	0.009061367
3-Jun-15	165.42	-0.012064023	6-Jun-16	160.02	0.011568367

1-Jun-15	167.44	0.002214641	3-Jun-16	158.19	0.006105705
29-May-15	167.07	-0.007131396	2-Jun-16	157.23	-0.001714286
28-May-15	168.27	-0.00183889	1-Jun-16	157.5	0.007355293
27-May-15	168.58	-0.013863703	31-May-16	156.35	-0.007553637
26-May-15	170.95	0.008197688	30-May-16	157.54	-0.000887874
25-May-15	169.56	-0.002353495	27-May-16	157.68	0.008571063
22-May-15	169.96	0.000529817	26-May-16	156.34	0.002243734
21-May-15	169.87	-0.002173402	25-May-16	155.99	0.016287706
20-May-15	170.24	0.002414179	24-May-16	153.49	-0.005378434
19-May-15	169.83	0.004257584	23-May-16	154.32	0.00671929
18-May-15	169.11	0.000532481	20-May-16	153.29	0.000456859
15-May-15	169.02	0.002431647	19-May-16	153.22	-0.007449634
13-May-15	168.61	-0.010487834	18-May-16	154.37	0.003901931
12-May-15	166.86	0.003065825	17-May-16	153.77	0.003720627
11-May-15	166.35	-0.001620454	16-May-16	153.2	-0.007321972
8-May-15	166.62	0.010063046	13-May-16	154.33	-0.011528854
7-May-15	164.96	-0.006624112	12-May-16	156.13	-0.001343226
6-May-15	166.06	0.008257438	11-May-16	156.34	0.009687419
5-May-15	164.7	0.005187672	10-May-16	154.84	0.002654925
4-May-15	163.85	0.013233566	9-May-16	154.43	-0.014045841
30-Apr-15	161.71	-0.008279161	4-May-16	156.63	0.005004812
29-Apr-15	163.06	-0.028537385	3-May-16	155.85	-0.000513051
28-Apr-15	167.85	0.003647453	2-May-16	155.93	-0.009716753
27-Apr-15	167.24	-0.030829856	29-Apr-16	157.46	-0.003354643
24-Apr-15	172.56	0.002672865	28-Apr-16	157.99	-0.004912767
23-Apr-15	172.1	0.003264545	27-Apr-16	158.77	-0.001132432
22-Apr-15	171.54	-0.0037749	26-Apr-16	158.95	-0.011135996
21-Apr-15	172.19	0.012822775	25-Apr-16	160.74	-0.005629446
20-Apr-15	170.01	-0.005091292	22-Apr-16	161.65	-0.000865319
17-Apr-15	170.88	-0.000701754	21-Apr-16	161.79	0.005343938
16-Apr-15	171	-0.000526039	20-Apr-16	160.93	0.000310791
15-Apr-15	171.09	0.000701878	19-Apr-16	160.88	0.008588803
14-Apr-15	170.97	-0.008006963	18-Apr-16	159.51	0.006435737
13-Apr-15	172.35	-0.006685494	15-Apr-16	158.49	0.011164987
10-Apr-15	173.51	-0.002013114	14-Apr-16	156.74	-0.00897825
9-Apr-15	173.86	0.004796856	13-Apr-16	158.16	0.006747295
8-Apr-15	173.03	-0.007855505	12-Apr-16	157.1	0.009834801
7-Apr-15	174.4	0.011014493	11-Apr-16	155.57	-0.010746534
6-Apr-15	172.5	0.004425294	8-Apr-16	157.26	0.001082182

2-Apr-15	171.74	-0.002960813	7-Apr-16	157.09	0.001274779
1-Apr-15	172.25	-0.010626077	6-Apr-16	156.89	0.003710575
31-Mar-15	174.1	0.010798885	5-Apr-16	156.31	-0.005345212
30-Mar-15	172.24	0.012045361	4-Apr-16	157.15	0.004602698
27-Mar-15	170.19	0.007816664	1-Apr-16	156.43	0.003335258
26-Mar-15	168.87	-0.008396947	31-Mar-16	155.91	0.00366937
25-Mar-15	170.3	-0.012925288	30-Mar-16	155.34	0.009356725
24-Mar-15	172.53	0.000928236	29-Mar-16	153.9	-6.4973E-05
23-Mar-15	172.37	-0.002026401	28-Mar-16	153.91	-0.01060684
20-Mar-15	172.72	-0.003634266	24-Mar-16	155.56	-0.005434435
19-Mar-15	173.35	0.008845952	23-Mar-16	156.41	-0.005152016
18-Mar-15	171.83	-0.00670559	22-Mar-16	157.22	-0.002601028
17-Mar-15	172.99	-0.000346961	21-Mar-16	157.63	-0.002089136
16-Mar-15	172.93	0.000289218	18-Mar-16	157.96	0.002220671
13-Mar-15	172.88	-0.000289134	17-Mar-16	157.61	0.009220721
12-Mar-15	172.93	0.003365245	16-Mar-16	156.17	0.00489029
11-Mar-15	172.35	-0.008514065	15-Mar-16	155.41	-0.008864796
10-Mar-15	173.83	0.001555658	14-Mar-16	156.8	0.017125065
9-Mar-15	173.56	-0.012404689	11-Mar-16	154.16	0.005282035
6-Mar-15	175.74	0.012560498	10-Mar-16	153.35	0.000260909
5-Mar-15	173.56	-0.001668105	8-Mar-16	153.31	-0.003445138
4-Mar-15	173.85	-0.00742221	7-Mar-16	153.84	-0.003885004
3-Mar-15	175.15	0.000114201	4-Mar-16	154.44	-0.000582411
2-Mar-15	175.13	0.004646627	3-Mar-16	154.53	-0.000323457
27-Feb-15	174.32	-0.003657979	2-Mar-16	154.58	0.014903815
26-Feb-15	174.96	0.000915332	1-Mar-16	152.31	0.007674496
25-Feb-15	174.8	0.007202535	29-Feb-16	151.15	0.007666667
24-Feb-15	173.55	0.002599653	26-Feb-16	150	0.017777175
23-Feb-15	173.1	0.003303773	25-Feb-16	147.38	0.00408775
20-Feb-15	172.53	-0.001909059	24-Feb-16	146.78	-0.002785515
18-Feb-15	172.86	0.00675597	23-Feb-16	147.19	-0.012346507
17-Feb-15	171.7	0.004211019	22-Feb-16	149.03	0.001613012
16-Feb-15	170.98	-0.012874545	19-Feb-16	148.79	-0.013786704
13-Feb-15	173.21	0.005982112	18-Feb-16	150.87	0.004460719
12-Feb-15	172.18	0.000639275	17-Feb-16	150.2	0.005691329
11-Feb-15	172.07	0.004377773	16-Feb-16	149.35	0.001878312
10-Feb-15	171.32	-0.005456868	15-Feb-16	149.07	0.004853387
9-Feb-15	172.26	-0.000406197	12-Feb-16	148.35	-0.015659213
6-Feb-15	172.33	0.012633682	11-Feb-16	150.71	0.012291779

5-Feb-15	170.18	-0.007465298	10-Feb-16	148.88	-0.002746333
4-Feb-15	171.46	0.002983328	9-Feb-16	149.29	-0.006918113
3-Feb-15	170.95	0.003168828	5-Feb-16	150.33	0.024116084
2-Feb-15	170.41	-0.006355685	4-Feb-16	146.79	0.015707169
30-Jan-15	171.5	0.004922067	3-Feb-16	144.52	0.007740046
29-Jan-15	170.66	-0.002513297	2-Feb-16	143.41	-0.006993491
28-Jan-15	171.09	-0.000642523	1-Feb-16	144.42	-0.003175041
27-Jan-15	171.2	0.002987873	29-Jan-16	144.88	0.006041247
26-Jan-15	170.69	-0.013295566	28-Jan-16	144.01	0.003833821
23-Jan-15	172.99	0.008982211	27-Jan-16	143.46	0.013207147
22-Jan-15	171.45	0.009776783	26-Jan-16	141.59	-0.000282426
21-Jan-15	169.79	0.015794197	25-Jan-16	141.63	0.00653827
20-Jan-15	167.15	-0.007049042	22-Jan-16	140.71	0.010920325
19-Jan-15	165.98	-0.000602119	21-Jan-16	139.19	-0.001578079
16-Jan-15	166.08	-0.006520309	20-Jan-16	139.41	-0.013096418
15-Jan-15	167.17	0.006866229	19-Jan-16	141.26	0.0060537
14-Jan-15	166.03	-0.013311939	18-Jan-16	140.41	-0.010360868
13-Jan-15	168.27	0.006941536	15-Jan-16	141.88	0.000705318
12-Jan-15	167.11	-0.004645899	14-Jan-16	141.78	-0.010814205
9-Jan-15	167.89	0.00047673	13-Jan-16	143.33	0.005895151
8-Jan-15	167.81	0.002269605	12-Jan-16	142.49	0.011715422
7-Jan-15	167.43	0.006855493	11-Jan-16	140.84	-0.018673356
6-Jan-15	166.29	-0.010708549	8-Jan-16	143.52	0.001116071
5-Jan-15	168.09	-0.006736394	7-Jan-16	143.36	-0.017207102
2-Jan-15	169.23	0	6-Jan-16	145.87	0.017366439
			5-Jan-16	143.38	0.007164934
			4-Jan-16	142.36	-0.018612988
verage		-0.000564624	Average		0.000740179
stdev		0.011559985	Stdev		0.009563443

Return Saham Syariah Indonesia tahun 2017-2018

(Lanjutan)

Periode	Close price 2017	Return 2017	Periode	Close price 2018	Return 2018
29-Dec-17	189.86	0.0096251	28-Dec-18	184	0.002724796
28-Dec-17	188.05	0.004057878	27-Dec-18	183.5	0.013812155
27-Dec-17	187.29	0.00531401	26-Dec-18	181	-0.010820855
22-Dec-17	186.3	0.004096152	21-Dec-18	182.98	0.00284994

21-Dec-17	185.54	0.010401351	20-Dec-18	182.46	-0.00196915
20-Dec-17	183.63	-0.010454276	19-Dec-18	182.82	0.012965426
19-Dec-17	185.57	0.005799458	18-Dec-18	180.48	0.000166251
18-Dec-17	184.5	-0.00194742	17-Dec-18	180.45	-0.012747565
15-Dec-17	184.86	0.004182737	14-Dec-18	182.78	-0.001147604
14-Dec-17	184.09	0.013767278	13-Dec-18	182.99	0.012448822
13-Dec-17	181.59	0.005147791	12-Dec-18	180.74	0.007918804
12-Dec-17	180.66	0.003666667	11-Dec-18	179.32	-0.00752712
11-Dec-17	180	-0.003267069	10-Dec-18	180.68	-0.002208968
8-Dec-17	180.59	0.001941855	7-Dec-18	181.08	0.005106572
7-Dec-17	180.24	0.001333333	6-Dec-18	180.16	-0.004585889
6-Dec-17	180	0.003736129	5-Dec-18	180.99	-0.002205193
5-Dec-17	179.33	-0.005600532	4-Dec-18	181.39	0.005153497
4-Dec-17	180.34	0.000999112	3-Dec-18	180.46	0.012568735
30-Nov-17	180.16	-0.016325416	30-Nov-18	178.22	-0.001344839
29-Nov-17	183.15	0.003012048	29-Nov-18	178.46	0.019072636
28-Nov-17	182.6	-0.005825666	28-Nov-18	175.12	-0.009614297
27-Nov-17	183.67	-0.002281493	27-Nov-18	176.82	-0.005567741
24-Nov-17	184.09	0.00097874	26-Nov-18	177.81	-0.001011293
23-Nov-17	183.91	0.000108761	23-Nov-18	177.99	0.002647589
22-Nov-17	183.89	0.005907773	22-Nov-18	177.52	0.003164557
21-Nov-17	182.81	-0.004465501	21-Nov-18	176.96	-0.009348934
20-Nov-17	183.63	-0.00374349	19-Nov-18	178.63	-0.005511636
17-Nov-17	184.32	0.002120372	16-Nov-18	179.62	0.010122596
16-Nov-17	183.93	0.005081967	15-Nov-18	177.82	0.017451508
15-Nov-17	183	-0.004515041	14-Nov-18	174.77	0.00212156
14-Nov-17	183.83	-0.003739432	13-Nov-18	174.4	0.009434508
13-Nov-17	184.52	-0.000974553	12-Nov-18	172.77	-0.015275007
10-Nov-17	184.7	-0.005009966	9-Nov-18	175.45	-0.009652292
9-Nov-17	185.63	-0.001237491	8-Nov-18	177.16	0.005220154
8-Nov-17	185.86	-0.006468167	7-Nov-18	176.24	0.003701805
7-Nov-17	187.07	0.001767163	6-Nov-18	175.59	0.000797948
6-Nov-17	186.74	0.002200397	5-Nov-18	175.45	0.001598447
3-Nov-17	186.33	0.002420917	2-Nov-18	175.17	0.006897741
2-Nov-17	185.88	-0.001664966	1-Nov-18	173.97	-0.000976226
1-Nov-17	186.19	0.001829432	31-Oct-18	174.14	0.00647324
31-Oct-17	185.85	0.001400938	30-Oct-18	173.02	0.005579449
30-Oct-17	185.59	0.00070096	29-Oct-18	172.06	-0.004512844
27-Oct-17	185.46	-0.004348526	26-Oct-18	172.84	0.003425254

26-Oct-17	186.27	-0.004489338	25-Oct-18	172.25	0.007663508
25-Oct-17	187.11	0.009332183	24-Oct-18	170.94	-0.014698254
24-Oct-17	185.38	0.002270761	23-Oct-18	173.49	-0.006243556
23-Oct-17	184.96	0.002004442	22-Oct-18	174.58	0.001261757
20-Oct-17	184.59	0.002552683	19-Oct-18	174.36	0.002645198
19-Oct-17	184.12	-0.003571815	18-Oct-18	173.9	-0.004465308
18-Oct-17	184.78	-0.004364459	17-Oct-18	174.68	0.010762643
17-Oct-17	185.59	-0.003061882	16-Oct-18	172.82	0.014559117
16-Oct-17	186.16	0.00280112	15-Oct-18	170.34	-0.008325086
13-Oct-17	185.64	0.003676471	12-Oct-18	171.77	0.010649565
12-Oct-17	184.96	0.007352541	11-Oct-18	169.96	-0.016719699
11-Oct-17	183.61	-0.005686126	10-Oct-18	172.85	0.004416294
10-Oct-17	184.66	-0.001189961	9-Oct-18	172.09	0.005433513
9-Oct-17	184.88	0.00032464	8-Oct-18	171.16	0.001521358
6-Oct-17	184.82	0.00081226	5-Oct-18	170.9	-0.006222015
5-Oct-17	184.67	-0.009546795	4-Oct-18	171.97	-0.016471261
4-Oct-17	186.45	0.004038772	3-Oct-18	174.85	-0.002168578
3-Oct-17	185.7	0.005414185	2-Oct-18	175.23	-0.011117381
2-Oct-17	184.7	0.002551159	1-Oct-18	177.2	-0.004997473
29-Sep-17	184.23	0.007877893	28-Sep-18	178.09	0.007695354
28-Sep-17	182.79	-0.002074576	27-Sep-18	176.73	0.010520899
27-Sep-17	183.17	-0.001145163	26-Sep-18	174.89	-0.000914025
26-Sep-17	183.38	-0.002339372	25-Sep-18	175.05	-0.00011424
25-Sep-17	183.81	-0.002333912	24-Sep-18	175.07	-0.008832022
22-Sep-17	184.24	-0.007594937	21-Sep-18	176.63	0.002781878
20-Sep-17	185.65	-0.001183623	20-Sep-18	176.14	0.008935731
19-Sep-17	185.87	0.004051426	19-Sep-18	174.58	0.010944467
18-Sep-17	185.12	0.001027416	18-Sep-18	172.69	0.000753361
15-Sep-17	184.93	0.003745115	17-Sep-18	172.56	-0.018764927
14-Sep-17	184.24	-0.000759301	14-Sep-18	175.86	0.014011417
13-Sep-17	184.38	-0.005876961	13-Sep-18	173.43	0.006032833
12-Sep-17	185.47	-0.002581339	12-Sep-18	172.39	-0.000811453
11-Sep-17	185.95	0.00237184	10-Sep-18	172.53	0.001509259
8-Sep-17	185.51	0.006019523	7-Sep-18	172.27	0.015742925
7-Sep-17	184.4	-0.000758643	6-Sep-18	169.6	0.01169172
6-Sep-17	184.54	0.001030648	5-Sep-18	167.64	-0.039036973
5-Sep-17	184.35	-0.00119196	4-Sep-18	174.45	-0.013347661
4-Sep-17	184.57	-0.008168091	3-Sep-18	176.81	-0.009800627
31-Aug-17	186.09	-0.00294685	31-Aug-18	178.56	-0.002625258

30-Aug-17	186.64	-5.35762E-05	30-Aug-18	179.03	-0.005057241
29-Aug-17	186.65	-0.002511757	29-Aug-18	179.94	0.005644666
28-Aug-17	187.12	-0.003461682	28-Aug-18	178.93	0.00156731
25-Aug-17	187.77	0.003795574	27-Aug-18	178.65	0.01200929
24-Aug-17	187.06	-0.001547905	24-Aug-18	176.53	-0.003837255
23-Aug-17	187.35	0.003857901	23-Aug-18	177.21	0.002432402
22-Aug-17	186.63	0.00441311	21-Aug-18	176.78	0.007982666
21-Aug-17	185.81	-0.0057788	20-Aug-18	175.38	0.01775766
18-Aug-17	186.89	0.000481799	16-Aug-18	172.32	0.002151788
16-Aug-17	186.8	0.006086067	15-Aug-18	171.95	0.009037028
15-Aug-17	185.67	0.004707792	14-Aug-18	170.41	-0.018545182
14-Aug-17	184.8	0.007633588	13-Aug-18	173.63	-0.03377852
11-Aug-17	183.4	-0.011000863	10-Aug-18	179.7	0.001002674
10-Aug-17	185.44	0.001133726	9-Aug-18	179.52	-0.003331113
9-Aug-17	185.23	0.006794217	8-Aug-18	180.12	-0.000388479
8-Aug-17	183.98	0.007999123	7-Aug-18	180.19	-0.000942559
7-Aug-17	182.52	-0.003058772	6-Aug-18	180.36	0.014626463
4-Aug-17	183.08	-0.001036722	3-Aug-18	177.76	-0.005315875
3-Aug-17	183.27	-0.007473599	2-Aug-18	178.71	-0.006338616
2-Aug-17	184.65	0.003587151	1-Aug-18	179.85	0.017538897
1-Aug-17	183.99	-0.002980384	31-Jul-18	176.75	-0.021859436
31-Jul-17	184.54	0.00233556	30-Jul-18	180.7	0.007751938
28-Jul-17	184.11	0.003214908	27-Jul-18	179.31	0.009287403
27-Jul-17	183.52	-0.000108968	26-Jul-18	177.66	-0.00241451
26-Jul-17	183.54	-0.002662609	25-Jul-18	178.09	0.002702551
25-Jul-17	184.03	-5.4336E-05	24-Jul-18	177.61	0.003956814
24-Jul-17	184.04	0.005463287	23-Jul-18	176.91	0.008896493
21-Jul-17	183.04	-0.009684575	20-Jul-18	175.35	-0.00136682
20-Jul-17	184.83	0.005330432	19-Jul-18	175.59	-0.003914227
19-Jul-17	183.85	-0.003036712	18-Jul-18	176.28	0.007602172
18-Jul-17	184.41	-0.004695596	17-Jul-18	174.95	-0.003133903
17-Jul-17	185.28	0.002000973	16-Jul-18	175.5	-0.009314141
14-Jul-17	184.91	0.002330876	13-Jul-18	177.15	0.002206382
13-Jul-17	184.48	0.001574461	12-Jul-18	176.76	0.003519927
12-Jul-17	184.19	0.006612745	11-Jul-18	176.14	0.005193175
11-Jul-17	182.98	0.002026176	10-Jul-18	175.23	0.012656033
10-Jul-17	182.61	-0.008954738	9-Jul-18	173.04	0.014421386
7-Jul-17	184.26	-0.008448582	6-Jul-18	170.58	-0.000468768
6-Jul-17	185.83	0.005192838	5-Jul-18	170.66	0.006428024

5-Jul-17	184.87	-0.005594105	4-Jul-18	169.57	0.012720975
4-Jul-17	185.91	-0.008902868	3-Jul-18	167.44	-0.020245758
3-Jul-17	187.58	0.012741605	2-Jul-18	170.9	-0.013564214
22-Jun-17	185.22	0.002761085	29-Jun-18	173.25	0.024238841
21-Jun-17	184.71	0.003640513	28-Jun-18	169.15	-0.019192856
20-Jun-17	184.04	0.010820014	27-Jun-18	172.46	-0.008850575
19-Jun-17	182.07	-0.000603798	26-Jun-18	174	0.000632584
16-Jun-17	182.18	-0.008975684	25-Jun-18	173.89	0.005376966
15-Jun-17	183.83	-0.004063279	22-Jun-18	172.96	-0.005291005
14-Jun-17	184.58	0.015514965	21-Jun-18	173.88	-0.011427597
13-Jun-17	181.76	0.004920661	20-Jun-18	175.89	-0.011131725
12-Jun-17	180.87	0.001273251	8-Jun-18	177.87	-0.015552358
9-Jun-17	180.64	-0.004079832	7-Jun-18	180.68	0.00244119
8-Jun-17	181.38	-0.004063255	6-Jun-18	180.24	-0.004253909
7-Jun-17	182.12	0.001319551	5-Jun-18	181.01	0.017138683
6-Jun-17	181.88	-0.006988425	4-Jun-18	177.96	0.005310134
5-Jun-17	183.16	-0.000981782	31-May-18	177.02	-0.006677515
2-Jun-17	183.34	0.001201398	30-May-18	178.21	-0.009283967
31-May-17	183.12	0.008814456	28-May-18	179.88	0.008635191
30-May-17	181.52	-0.007599366	25-May-18	178.34	0.000224341
29-May-17	182.91	-0.00305227	24-May-18	178.3	0.024653756
26-May-17	183.47	0.005094774	23-May-18	174.01	-0.000861277
24-May-17	182.54	-0.003657006	22-May-18	174.16	0.006705202
23-May-17	183.21	-0.00326424	21-May-18	173	-0.001731102
22-May-17	183.81	-0.003901805	18-May-18	173.3	-0.002475105
19-May-17	184.53	-0.024881977	17-May-18	173.73	0.000864155
18-May-17	180.05	0.000500111	16-May-18	173.58	-0.001897533
17-May-17	179.96	-0.005965532	15-May-18	173.91	-0.017124449
16-May-17	181.04	-0.003467826	14-May-18	176.94	-0.003716216
15-May-17	181.67	0.002040816	11-May-18	177.6	0.009836811
12-May-17	181.3	0.001768151	9-May-18	175.87	0.015122655
10-May-17	180.98	-0.00903466	8-May-18	173.25	-0.023063043
9-May-17	182.63	-0.004307055	7-May-18	177.34	0.011175733
8-May-17	183.42	0.006695939	4-May-18	175.38	-0.00668328
5-May-17	182.2	-0.000822594	3-May-18	176.56	-0.025015186
4-May-17	182.35	0.00153787	2-May-18	181.09	0.00088432
3-May-17	182.07	-0.009466297	30-Apr-18	180.93	0.009654018
2-May-17	183.81	-0.004764741	27-Apr-18	179.2	0.002517483
28-Apr-17	184.69	-0.007043011	26-Apr-18	178.75	-0.02306389

27-Apr-17	186.32	-0.001717475	25-Apr-18	182.97	-0.01644896
26-Apr-17	186.32	0.004691291	24-Apr-18	186.03	-0.010426086
25-Apr-17	185.45	0.002107425	23-Apr-18	187.99	-0.004553879
21-Apr-17	185.06	0.020288896	20-Apr-18	188.85	-0.001586043
20-Apr-17	181.38	0.000662032	19-Apr-18	189.15	0.007832481
18-Apr-17	181.26	0.00304355	18-Apr-18	187.68	0.000586448
17-Apr-17	180.71	-0.007033353	17-Apr-18	187.57	0.002083556
13-Apr-17	181.99	-0.004539985	16-Apr-18	187.18	0.001819739
12-Apr-17	182.82	0.005444646	13-Apr-18	186.84	-0.009331919
11-Apr-17	181.83	0.000605327	12-Apr-18	188.6	-0.00976583
10-Apr-17	181.72	0.000110072	11-Apr-18	190.46	0.005437365
7-Apr-17	181.7	-0.006615275	10-Apr-18	189.43	0.009862459
6-Apr-17	182.91	-0.00565371	9-Apr-18	187.58	0.015757838
5-Apr-17	183.95	0.002889543	6-Apr-18	184.67	-0.001729823
4-Apr-17	183.42	0.009632851	5-Apr-18	184.99	0.008010026
3-Apr-17	181.67	0.006537758	4-Apr-18	183.52	-0.008053619
31-Mar-17	180.49	-0.002211289	3-Apr-18	185.01	-5.40482E-05
30-Mar-17	180.89	-0.000552517	2-Apr-18	185.02	0.007789095
29-Mar-17	180.99	0.012984832	29-Mar-18	183.59	0.012686855
27-Mar-17	178.67	-0.002734985	28-Mar-18	181.29	-0.00771757
24-Mar-17	179.16	0.002405864	27-Mar-18	182.7	0.000273748
23-Mar-17	178.73	0.002974186	26-Mar-18	182.65	-0.00120304
22-Mar-17	178.2	-0.003522899	23-Mar-18	182.87	-0.005709004
21-Mar-17	178.83	0.001287794	22-Mar-18	183.92	-0.004923443
20-Mar-17	178.6	-0.002234637	21-Mar-18	184.83	0.013433491
17-Mar-17	179.5	-0.002071321	20-Mar-18	182.38	-0.009665508
16-Mar-17	178.63	0.018008776	19-Mar-18	184.16	-0.003678857
15-Mar-17	175.47	-0.000512645	16-Mar-18	184.84	-0.007517182
14-Mar-17	175.56	0.004232925	15-Mar-18	186.24	-0.009940992
13-Mar-17	174.82	0.004135554	14-Mar-18	188.11	-0.01020784
10-Mar-17	174.1	-0.004175485	13-Mar-18	190.05	-0.013137397
9-Mar-17	174.83	0.00080142	12-Mar-18	192.58	0.012353467
8-Mar-17	174.69	-0.004785507	9-Mar-18	190.23	0.002476813
7-Mar-17	175.53	-0.001535836	8-Mar-18	189.76	0.006898015
6-Mar-17	175.8	0.007854154	7-Mar-18	188.46	-0.021292065
3-Mar-17	174.43	-0.001202474	6-Mar-18	192.56	-0.008495958
2-Mar-17	174.64	0.005295878	5-Mar-18	194.21	-0.002567922
1-Mar-17	173.72	-0.005894134	2-Mar-18	194.71	-0.006834991
28-Feb-17	174.75	0.003099707	1-Mar-18	196.05	0.001634905

27-Feb-17	174.21	-0.001833496	28-Feb-18	195.73	5.10934E-05
24-Feb-17	174.53	0.002412268	27-Feb-18	195.72	0.003743782
23-Feb-17	174.11	0.001034899	26-Feb-18	194.99	-0.004746835
22-Feb-17	173.93	-0.000517182	23-Feb-18	195.92	0.00435741
21-Feb-17	174.02	-0.000574317	22-Feb-18	195.07	-0.006620156
20-Feb-17	174.12	-0.000344471	21-Feb-18	196.37	-0.00203283
17-Feb-17	174.18	-0.006218976	20-Feb-18	196.77	-0.008715365
16-Feb-17	175.27	0.002516731	19-Feb-18	198.5	0.01311693
14-Feb-17	174.83	-0.005630759	15-Feb-18	195.93	0.001994477
13-Feb-17	175.82	0.005202676	14-Feb-18	195.54	0.004365915
10-Feb-17	174.91	0.004075775	13-Feb-18	194.69	0.007399358
9-Feb-17	174.2	-5.7402E-05	12-Feb-18	193.26	0.000984099
8-Feb-17	174.21	-0.002405085	9-Feb-18	193.07	-0.005255294
7-Feb-17	174.63	-0.004503477	8-Feb-18	194.09	0.00082504
6-Feb-17	175.42	0.00400641	7-Feb-18	193.93	0.008843573
3-Feb-17	174.72	0.001719986	6-Feb-18	192.23	-0.017028022
2-Feb-17	174.42	0.006346642	5-Feb-18	195.56	-0.011724277
1-Feb-17	173.32	0.00487013	2-Feb-18	197.88	0.003651856
31-Jan-17	172.48	0.001044689	1-Feb-18	197.16	-0.001519295
30-Jan-17	172.3	-0.004161369	31-Jan-18	197.46	0.005448343
27-Jan-17	173.02	-0.001615695	30-Jan-18	196.39	-0.016131456
26-Jan-17	173.3	0.004171978	29-Jan-18	199.61	0.005794619
25-Jan-17	172.58	0.00197399	26-Jan-18	198.46	0.005726448
24-Jan-17	172.24	0.008371875	25-Jan-18	197.33	0.004428382
23-Jan-17	170.81	-0.00204487	24-Jan-18	196.46	0.002858601
20-Jan-17	171.16	-0.009433416	23-Jan-18	195.9	0.014132629
19-Jan-17	172.79	0.000579072	22-Jan-18	193.17	-0.000103525
18-Jan-17	172.69	0.008114419	19-Jan-18	193.19	0.001763028
17-Jan-17	171.3	0.000467235	18-Jan-18	192.85	0.000311219
16-Jan-17	171.22	-0.002911717	17-Jan-18	192.79	0.005371297
13-Jan-17	171.72	-0.002729543	16-Jan-18	191.76	0.009263158
12-Jan-17	172.19	-0.002202005	15-Jan-18	190	0.002056854
11-Jan-17	172.57	-0.002716135	12-Jan-18	189.61	-0.00420146
10-Jan-17	173.04	-5.77868E-05	11-Jan-18	190.41	0.001525352
9-Jan-17	173.05	-0.003684726	10-Jan-18	190.12	0.001000369
6-Jan-17	173.69	0.004975988	9-Jan-18	189.93	-0.002835092
5-Jan-17	172.83	0.005878245	8-Jan-18	190.47	0.005171777
4-Jan-17	171.82	0.002625897	5-Jan-18	189.49	0.010451661
3-Jan-17	171.37	-0.004125988	4-Jan-18	187.53	0.004607061

			3-Jan-18	186.67	-0.016128182
			2-Jan-18	189.73	-0.000684715
Average		0.000428291	Average		-8.22389E-05
Stadev		0.00550787	Stadev		0.009838582

Return Saham Syariah Indonesia tahun 2019

(Lanjutan)

Periode	Close price 2019	Return 2019	Periode	Close price 2019	Return 2019
30-Dec-19	187.73	-0.006088522	5-Jul-19	186.66	0.000214339
27-Dec-19	188.88	0.002547771	4-Jul-19	186.62	0.002094185
26-Dec-19	188.4	0.003729355	3-Jul-19	186.23	-0.0065614
23-Dec-19	187.7	0.000586385	2-Jul-19	187.46	0.001817016
20-Dec-19	187.59	0.008602613	1-Jul-19	187.12	0.005967421
19-Dec-19	185.99	-0.00577324	28-Jun-19	186.01	0.001399731
18-Dec-19	187.07	-0.000747823	27-Jun-19	185.75	0.009730376
17-Dec-19	187.21	0.004938537	26-Jun-19	183.96	-0.002602472
16-Dec-19	186.29	-0.000804548	25-Jun-19	184.44	0.009081956
13-Dec-19	186.44	0.011446862	24-Jun-19	182.78	-0.00554951
12-Dec-19	184.33	-0.009298076	21-Jun-19	183.8	-0.004657208
11-Dec-19	186.06	5.3749E-05	20-Jun-19	184.66	-0.001189961
10-Dec-19	186.05	-0.001824132	19-Jun-19	184.88	0.013318717
9-Dec-19	186.39	-0.000429023	18-Jun-19	182.45	0.009237748
6-Dec-19	186.47	0.005988347	17-Jun-19	180.78	-0.01083388
5-Dec-19	185.36	0.008816806	14-Jun-19	182.76	-0.003217889
4-Dec-19	183.74	-0.002334799	13-Jun-19	183.35	0.000491106
3-Dec-19	184.17	-0.000217143	12-Jun-19	183.26	-0.004075865
2-Dec-19	184.21	0.018128558	11-Jun-19	184.01	0.002724647
29-Nov-19	180.93	0.00746144	10-Jun-19	183.51	0.013307565
28-Nov-19	179.59	-0.010632437	31-May-19	181.1	0.015134529
27-Nov-19	181.52	-0.002582559	29-May-19	178.4	0.008422362
26-Nov-19	181.99	-0.008174832	28-May-19	176.91	-0.008185233
25-Nov-19	183.49	-0.004340984	27-May-19	178.37	0.006205224
22-Nov-19	184.29	-0.000488122	24-May-19	177.27	0.004931973
21-Nov-19	184.38	-0.009721252	23-May-19	176.4	0.015018125
20-Nov-19	186.19	0.000268615	22-May-19	173.79	-0.002410883
19-Nov-19	186.14	0.003287878	21-May-19	174.21	0.00699422

18-Nov-19	185.53	-0.001023045	20-May-19	173	0.016033359
15-Nov-19	185.72	0.003078585	17-May-19	170.27	-0.008732608
14-Nov-19	185.15	-0.009151236	16-May-19	171.77	-0.013439779
13-Nov-19	186.86	-0.007172839	15-May-19	174.11	-0.016938626
12-Nov-19	188.21	0.00760212	14-May-19	177.11	-0.00934109
11-Nov-19	186.79	-0.006753164	13-May-19	178.78	-0.016449359
8-Nov-19	188.06	0.000425577	10-May-19	181.77	0.004864835
7-Nov-19	187.98	-0.00754976	9-May-19	180.89	-0.018875088
6-Nov-19	189.41	-0.005930513	8-May-19	184.37	-0.003028173
5-Nov-19	190.54	0.012864129	7-May-19	184.93	0.006914952
4-Nov-19	188.12	-0.003179313	6-May-19	183.66	-0.007350557
1-Nov-19	188.72	-0.004063539	3-May-19	185.02	-0.00989993
31-Oct-19	189.49	-0.012764406	2-May-19	186.87	-0.008278936
30-Oct-19	191.94	0.001826818	30-Apr-19	188.43	0.004799232
29-Oct-19	191.59	0.002721516	29-Apr-19	187.53	-0.000213254
28-Oct-19	191.07	0.003518908	26-Apr-19	187.57	0.004014559
25-Oct-19	190.4	-0.016985905	25-Apr-19	186.82	-0.013882291
24-Oct-19	193.69	0.009854015	24-Apr-19	189.45	-0.00305215
23-Oct-19	191.8	0.005557303	23-Apr-19	190.03	0.010153094
22-Oct-19	190.74	0.006278027	22-Apr-19	188.12	-0.014304428
21-Oct-19	189.55	0.000263852	18-Apr-19	190.85	0.003681304
18-Oct-19	189.5	0.000633647	16-Apr-19	190.15	0.009181616
17-Oct-19	189.38	0.003709985	15-Apr-19	188.42	0.002874175
16-Oct-19	188.68	-0.000105988	12-Apr-19	187.88	-0.001965471
15-Oct-19	188.7	0.003616637	11-Apr-19	188.25	-0.011551588
14-Oct-19	188.02	-0.000425668	10-Apr-19	190.45	-0.000734561
11-Oct-19	187.94	0.016056658	9-Apr-19	190.59	0.011624204
10-Oct-19	184.97	-0.00140366	8-Apr-19	188.4	-0.010660085
9-Oct-19	185.23	-0.002853144	5-Apr-19	190.43	-0.001939203
8-Oct-19	185.76	0.004488185	4-Apr-19	190.8	0.001995589
7-Oct-19	184.93	-0.012284356	2-Apr-19	190.42	0.001999579
4-Oct-19	187.23	0.004938007	1-Apr-19	190.04	-0.000683599
3-Oct-19	186.31	0.001182224	29-Mar-19	190.17	-0.002674638
2-Oct-19	186.09	-0.010159574	28-Mar-19	190.68	0.002523659
1-Oct-19	188	-0.004922458	27-Mar-19	190.2	-0.003353595
30-Sep-19	188.93	-0.002692145	26-Mar-19	190.84	0.008348304
27-Sep-19	189.44	-0.005773066	25-Mar-19	189.26	-0.018259156
26-Sep-19	190.54	0.011573583	22-Mar-19	192.78	0.001298499
25-Sep-19	188.36	0.002448111	21-Mar-19	192.53	0.005011223

24-Sep-19	187.9	-0.010010537	20-Mar-19	191.57	-0.001823677
23-Sep-19	189.8	-0.005970462	19-Mar-19	191.92	-0.005235059
20-Sep-19	190.94	-0.000732677	18-Mar-19	192.93	0.008362515
19-Sep-19	191.08	-0.005102572	15-Mar-19	191.33	0.005306852
18-Sep-19	192.06	0.004235294	14-Mar-19	190.32	0.004963565
17-Sep-19	191.25	0.000104586	13-Mar-19	189.38	0.005735528
16-Sep-19	191.23	-0.001149125	12-Mar-19	188.3	-0.000530786
13-Sep-19	191.45	-0.004213045	11-Mar-19	188.4	-0.002435667
12-Sep-19	192.26	-0.010040678	8-Mar-19	188.86	-0.013425273
11-Sep-19	194.21	0.004240137	6-Mar-19	191.43	0
10-Sep-19	193.39	0.000517357	5-Mar-19	191.43	-0.005403439
9-Sep-19	193.29	0.006404249	4-Mar-19	192.47	-0.000674974
6-Sep-19	192.06	-0.003062549	1-Mar-19	192.6	0.007322176
5-Sep-19	192.65	0.006846451	28-Feb-19	191.2	-0.015194437
4-Sep-19	191.34	0.001413095	27-Feb-19	194.15	-0.00292728
3-Sep-19	191.07	-0.005361791	26-Feb-19	194.72	-0.000102701
2-Sep-19	192.1	-0.003940682	25-Feb-19	194.74	0.003607504
30-Aug-19	192.86	0.012175921	22-Feb-19	194.04	-0.004310345
29-Aug-19	190.54	0.00147167	21-Feb-19	194.88	0.003811682
28-Aug-19	190.26	0.002001264	20-Feb-19	194.14	0.004709414
27-Aug-19	189.88	0.011829905	19-Feb-19	193.23	-0.000206964
26-Aug-19	187.66	-0.003398832	18-Feb-19	193.27	0.018336056
23-Aug-19	188.3	0.005017079	15-Feb-19	189.79	-0.005501991
22-Aug-19	187.36	-0.002767724	14-Feb-19	190.84	0.000209644
21-Aug-19	187.88	-0.004820171	13-Feb-19	190.8	0.003207319
20-Aug-19	188.79	-0.005646407	12-Feb-19	190.19	-0.014406384
19-Aug-19	187.73	0.002616962	11-Feb-19	192.97	-0.005258003
16-Aug-19	187.24	0.004344794	8-Feb-19	193.99	-0.002468247
15-Aug-19	186.43	-0.002087571	7-Feb-19	194.47	-0.00317802
14-Aug-19	186.82	0.010220083	6-Feb-19	195.09	0.013191379
13-Aug-19	184.93	-0.00692729	4-Feb-19	192.55	-0.00521802
12-Aug-19	186.22	-0.002410671	1-Feb-19	193.56	0.000310078
9-Aug-19	186.67	0.002685717	31-Jan-19	193.5	0.00812754
8-Aug-19	186.17	0.012178546	30-Jan-19	191.94	0.002140657
7-Aug-19	183.93	0.011493621	29-Jan-19	191.53	-0.003226646
6-Aug-19	181.84	-0.003179476	28-Jan-19	192.15	-0.005383301
5-Aug-19	182.42	-0.022872141	25-Jan-19	193.19	0.003271708
2-Aug-19	186.69	-0.004850746	24-Jan-19	192.56	0.004171882
1-Aug-19	187.6	0.003315863	23-Jan-19	191.76	0.001044059

31-Jul-19	186.98	0.000749304	22-Jan-19	191.56	0.001149786
30-Jul-19	186.84	0.012463423	21-Jan-19	191.34	0.000156814
29-Jul-19	184.54	-0.004638619	18-Jan-19	191.31	0.003830412
26-Jul-19	185.4	-0.012253596	17-Jan-19	190.58	0.002735978
25-Jul-19	187.7	0.004925581	16-Jan-19	190.06	-0.000630981
24-Jul-19	186.78	-0.003361614	15-Jan-19	190.18	0.013158596
23-Jul-19	187.41	-0.003456344	14-Jan-19	187.71	-0.006404827
22-Jul-19	188.06	-0.005026189	11-Jan-19	188.92	0.007627073
19-Jul-19	189.01	0.007193861	10-Jan-19	187.49	0.010292057
18-Jul-19	187.66	0.006165889	9-Jan-19	185.58	-0.00150651
17-Jul-19	186.51	-0.002886929	8-Jan-19	185.86	-0.005830436
16-Jul-19	187.05	-0.002027424	7-Jan-19	186.95	0.003165915
15-Jul-19	187.43	0.006713933	4-Jan-19	186.36	0.006209168
12-Jul-19	186.18	-0.008784539	3-Jan-19	185.21	0.010750928
11-Jul-19	187.83	0.00031954	2-Jan-19	183.24	-0.004130435
10-Jul-19	187.77	0.004010266			
9-Jul-19	187.02	0.004943579	Average		0.000108628
8-Jul-19	186.1	-0.003000107	Stadev		0.007321162

Lampiran 2. Tabel data Closing Price dan return Indeks FBMS

Return Saham Syariah Malaysia tahun 2015-2016

Periode	Close price 2015	Return 2015	Periode	Close price 2016	Return 2016
31-Dec-15	12,800.65	0.00179845	30-Dec-16	12,014.42	-0.000910575
30-Dec-15	12,777.67	0.002005946	29-Dec-16	12,025.37	0.006340798
29-Dec-15	12,752.09	0.007318649	28-Dec-16	11,949.60	0.00403982
28-Dec-15	12,659.44	0.004256777	27-Dec-16	11,901.52	0.000836727
23-Dec-15	12,605.78	0.013178136	23-Dec-16	11,891.57	-0.004957819
22-Dec-15	12,441.82	0.00914669	22-Dec-16	11,950.82	-0.002969196
21-Dec-15	12,329.05	-0.005003611	21-Dec-16	11,986.41	-0.00073196
18-Dec-15	12,391.05	-0.007760275	20-Dec-16	11,995.19	0.00251649
17-Dec-15	12,487.96	0.012221594	19-Dec-16	11,965.08	-0.002364626
16-Dec-15	12,337.18	0.008922088	16-Dec-16	11,993.44	-0.000929644
15-Dec-15	12,228.08	0.000810268	15-Dec-16	12,004.60	-0.002249895
14-Dec-15	12,218.18	-0.007169434	14-Dec-16	12,031.67	-0.001692655

11-Dec-15	12,306.41	-0.007540377	13-Dec-16	12,052.07	0.003246464
10-Dec-15	12,399.91	-0.004897704	9-Dec-16	12,013.07	-0.001250404
9-Dec-15	12,460.94	-0.007048151	8-Dec-16	12,028.11	0.007992297
8-Dec-15	12,549.39	-0.0019207	7-Dec-16	11,932.74	0.000906732
7-Dec-15	12,573.54	0.003978051	6-Dec-16	11,921.93	0.001225295
4-Dec-15	12,523.72	-0.000373551	5-Dec-16	11,907.34	-0.001576369
3-Dec-15	12,528.40	-0.001752932	2-Dec-16	11,926.14	0.000724145
2-Dec-15	12,550.40	-0.002474262	1-Dec-16	11,917.51	0.001371291
1-Dec-15	12,581.53	0.005969519	30-Nov-16	11,901.19	-0.001459904
30-Nov-15	12,506.87	-0.007098916	29-Nov-16	11,918.59	-0.00347154
27-Nov-15	12,596.29	-0.002867205	28-Nov-16	11,960.11	-0.002762389
26-Nov-15	12,632.51	0.000621799	25-Nov-16	11,993.24	-0.00020174
25-Nov-15	12,624.66	0.000880005	24-Nov-16	11,995.66	-0.005298701
24-Nov-15	12,613.56	0.003167716	23-Nov-16	12,059.56	-0.001490367
23-Nov-15	12,573.73	0.003607766	22-Nov-16	12,077.56	0.000281593
20-Nov-15	12,528.53	0.001668577	21-Nov-16	12,074.16	-0.00157609
19-Nov-15	12,507.66	0.001361017	18-Nov-16	12,093.22	-0.000475247
18-Nov-15	12,490.66	-0.00087349	17-Nov-16	12,098.97	-0.001073318
17-Nov-15	12,501.58	0.005935071	16-Nov-16	12,111.97	0.002269842
16-Nov-15	12,427.82	-0.00287636	15-Nov-16	12,084.54	0.008465255
13-Nov-15	12,463.67	-0.002457107	14-Nov-16	11,983.10	-0.009981072
12-Nov-15	12,494.37	-0.002436748	11-Nov-16	12,103.91	-0.007535375
11-Nov-15	12,524.89	-0.007711791	10-Nov-16	12,195.81	0.003363244
9-Nov-15	12,622.23	0.002929594	9-Nov-16	12,154.93	-0.010396796
6-Nov-15	12,585.36	0.001545447	8-Nov-16	12,282.63	0.004973883
5-Nov-15	12,565.94	-0.003912289	7-Nov-16	12,221.84	-0.000827341
4-Nov-15	12,516.97	0.003912356	4-Nov-16	12,231.96	-4.90516E-06
3-Nov-15	12,468.19	0.005694655	3-Nov-16	12,232.02	-0.005244578
2-Nov-15	12,397.59	0.000384093	2-Nov-16	12,296.51	-0.00614747
30-Oct-15	12,392.83	0.000449656	1-Nov-16	12,372.57	-0.000923772
29-Oct-15	12,387.26	-0.004732383	31-Oct-16	12,384.01	-0.003162606
28-Oct-15	12,446.16	-0.004123162	28-Oct-16	12,423.30	2.89786E-05
27-Oct-15	12,497.69	-0.00522077	27-Oct-16	12,422.94	0.001266197
26-Oct-15	12,563.28	-0.005326763	26-Oct-16	12,407.23	-0.001812585
23-Oct-15	12,630.56	0.00467635	25-Oct-16	12,429.76	-0.003688747
22-Oct-15	12,571.77	0.001441012	24-Oct-16	12,475.78	0.00268518
21-Oct-15	12,553.68	0.001446287	21-Oct-16	12,442.37	-0.000205706
20-Oct-15	12,535.55	-0.002892955	20-Oct-16	12,444.93	-0.000753955
19-Oct-15	12,571.92	2.62497E-05	19-Oct-16	12,454.32	2.08767E-05

16-Oct-15	12,571.59	0.003123893	18-Oct-16	12,454.06	0.006876056
15-Oct-15	12,532.44	0.000126887	17-Oct-16	12,369.01	-0.002892408
13-Oct-15	12,530.85	-0.001154214	14-Oct-16	12,404.89	-0.000868258
12-Oct-15	12,545.33	0.005887635	13-Oct-16	12,415.67	-0.001480608
9-Oct-15	12,471.90	0.009974305	12-Oct-16	12,434.08	-0.00148323
8-Oct-15	12,348.73	-0.002317931	11-Oct-16	12,452.55	0.002982557
7-Oct-15	12,377.42	0.018582723	10-Oct-16	12,415.52	-0.000338977
6-Oct-15	12,151.61	0.006122875	7-Oct-16	12,419.73	0.000561519
5-Oct-15	12,077.66	0.010545005	6-Oct-16	12,412.76	-0.001450431
2-Oct-15	11,951.63	0.00131284	5-Oct-16	12,430.79	0.000918725
1-Oct-15	11,935.96	0.003945647	4-Oct-16	12,419.38	0.005766032
30-Sep-15	11,889.05	0.009247791	30-Sep-16	12,348.18	-0.008736446
29-Sep-15	11,780.11	-0.003982342	29-Sep-16	12,457.01	0.003458978
28-Sep-15	11,827.21	-0.000120893	28-Sep-16	12,414.07	0.00038842
25-Sep-15	11,828.64	0.003602524	27-Sep-16	12,409.25	-0.00157537
23-Sep-15	11,786.18	-0.01183168	26-Sep-16	12,428.83	-0.004396927
22-Sep-15	11,927.30	-0.001130578	23-Sep-16	12,483.72	0.002674609
21-Sep-15	11,940.80	-0.009002205	22-Sep-16	12,450.42	0.008638352
18-Sep-15	12,049.27	-0.00494913	21-Sep-16	12,343.79	0.002355706
17-Sep-15	12,109.20	0.017431065	20-Sep-16	12,314.78	0.003031547
15-Sep-15	11,901.74	0.006147593	19-Sep-16	12,277.56	-0.004029291
14-Sep-15	11,829.02	0.02403877	15-Sep-16	12,327.23	-0.002384134
11-Sep-15	11,551.34	0.002398535	14-Sep-16	12,356.69	-0.006535627
10-Sep-15	11,523.70	0.002195948	13-Sep-16	12,437.98	-0.005432627
9-Sep-15	11,498.45	0.010074879	9-Sep-16	12,505.92	-0.001078325
8-Sep-15	11,383.76	-0.001557268	8-Sep-16	12,519.42	0.001198775
7-Sep-15	11,366.06	-0.005603621	7-Sep-16	12,504.43	-0.001170214
4-Sep-15	11,430.11	-0.002156299	6-Sep-16	12,519.08	0.006192719
3-Sep-15	11,454.81	0.006427006	5-Sep-16	12,442.03	0.004080226
2-Sep-15	11,381.66	-0.003726291	2-Sep-16	12,391.47	0.000796342
1-Sep-15	11,424.23	-0.001669967	1-Sep-16	12,381.61	-0.003933068
28-Aug-15	11,443.34	0.004459058	30-Aug-16	12,430.50	0.001023532
27-Aug-15	11,392.54	0.012953849	29-Aug-16	12,417.79	-0.001780555
26-Aug-15	11,246.85	0.013183178	26-Aug-16	12,439.94	0.001755496
25-Aug-15	11,100.51	0.018216991	25-Aug-16	12,418.14	-0.00099915
24-Aug-15	10,901.91	-0.025735731	24-Aug-16	12,430.56	-0.00105997
21-Aug-15	11,189.89	-0.000179594	23-Aug-16	12,443.75	-0.005135917
20-Aug-15	11,191.90	-0.004426393	22-Aug-16	12,507.99	0.000945089
19-Aug-15	11,241.66	0.004476588	19-Aug-16	12,496.18	-0.00430114

18-Aug-15	11,191.56	0.002015391	18-Aug-16	12,550.16	9.80163E-05
17-Aug-15	11,169.05	-0.018998098	17-Aug-16	12,548.93	-0.003464744
14-Aug-15	11,385.35	-0.014447402	16-Aug-16	12,592.56	0.00511234
13-Aug-15	11,552.25	0.008684347	15-Aug-16	12,528.51	0.004389214
12-Aug-15	11,452.79	-0.020533846	12-Aug-16	12,473.76	0.00351002
11-Aug-15	11,692.89	-0.006613014	11-Aug-16	12,430.13	0.001613201
10-Aug-15	11,770.73	-0.01937959	10-Aug-16	12,410.11	0.00281124
7-Aug-15	12,003.35	-0.010813733	9-Aug-16	12,375.32	0.001577393
6-Aug-15	12,134.57	-0.019732075	8-Aug-16	12,355.83	0.005209164
5-Aug-15	12,378.83	0.003006062	5-Aug-16	12,291.80	0.004582481
4-Aug-15	12,341.73	-0.015759988	4-Aug-16	12,235.73	0.002801283
3-Aug-15	12,539.35	0.013385627	3-Aug-16	12,201.55	-0.001785922
31-Jul-15	12,373.72	0.009622391	2-Aug-16	12,223.38	-0.003969981
30-Jul-15	12,255.79	0.001995687	1-Aug-16	12,272.10	0.006011262
29-Jul-15	12,231.38	0.002229566	29-Jul-16	12,198.77	-0.003085027
28-Jul-15	12,204.17	-0.008918312	28-Jul-16	12,236.52	-0.000570098
27-Jul-15	12,313.99	-0.002566082	27-Jul-16	12,243.50	0.001728797
24-Jul-15	12,345.67	-0.000441256	26-Jul-16	12,222.37	-0.004975785
23-Jul-15	12,351.12	-0.002687252	25-Jul-16	12,283.49	0.00549509
22-Jul-15	12,384.40	-0.002130396	22-Jul-16	12,216.36	0.002138587
21-Jul-15	12,410.84	0.006358849	21-Jul-16	12,190.29	-0.00578896
20-Jul-15	12,332.42	5.02765E-05	20-Jul-16	12,261.27	0.000594092
16-Jul-15	12,331.80	-0.002019139	19-Jul-16	12,253.99	0.000616506
15-Jul-15	12,356.75	0.002779468	18-Jul-16	12,246.44	0.001499005
14-Jul-15	12,322.50	0.002735807	15-Jul-16	12,228.11	0.005765746
13-Jul-15	12,288.88	0.000880432	14-Jul-16	12,158.01	-0.00294164
10-Jul-15	12,278.07	0.00636371	13-Jul-16	12,193.88	0.00801693
9-Jul-15	12,200.43	0.006628664	12-Jul-16	12,096.90	0.000559961
8-Jul-15	12,120.09	-0.010254245	11-Jul-16	12,090.13	0.005900554
7-Jul-15	12,245.66	-0.003726975	8-Jul-16	12,019.21	-0.004814794
6-Jul-15	12,291.47	-0.011229926	5-Jul-16	12,077.36	-0.001503033
3-Jul-15	12,431.07	-0.000933079	4-Jul-16	12,095.54	0.003364585
2-Jul-15	12,442.68	0.001032193	1-Jul-16	12,054.98	-0.003962674
1-Jul-15	12,429.85	0.018101623	30-Jun-16	12,102.94	0.0038119
30-Jun-15	12,208.85	0.004072593	29-Jun-16	12,056.98	0.007069629
29-Jun-15	12,159.33	-0.011947481	28-Jun-16	11,972.34	0.004412005
26-Jun-15	12,306.36	-0.002094518	27-Jun-16	11,919.75	-0.004101484
25-Jun-15	12,332.19	-0.009977939	24-Jun-16	11,968.84	-0.003513434
24-Jun-15	12,456.48	0.001789415	23-Jun-16	12,011.04	0.001051805

23-Jun-15	12,434.23	-0.001928841	21-Jun-16	11,998.42	0.002431216
22-Jun-15	12,458.26	0.006584922	20-Jun-16	11,969.32	0.00352301
19-Jun-15	12,376.76	0.001999666	17-Jun-16	11,927.30	0.003766027
18-Jun-15	12,352.06	-0.004567748	16-Jun-16	11,882.55	-0.006467445
17-Jun-15	12,408.74	-0.000861553	15-Jun-16	11,959.90	-0.000504766
16-Jun-15	12,419.44	-0.000560902	14-Jun-16	11,965.94	-0.000467776
15-Jun-15	12,426.41	-0.009628428	13-Jun-16	11,971.54	-0.007064116
12-Jun-15	12,547.22	0.001716468	10-Jun-16	12,056.71	-0.005055302
11-Jun-15	12,525.72	-0.001937047	9-Jun-16	12,117.97	-0.003269528
10-Jun-15	12,550.03	0.003882737	8-Jun-16	12,157.72	8.80177E-05
9-Jun-15	12,501.49	-0.007369207	7-Jun-16	12,156.65	0.011562954
8-Jun-15	12,594.30	-0.004464547	6-Jun-16	12,017.69	0.002869827
5-Jun-15	12,650.78	9.32836E-05	3-Jun-16	11,983.30	0.003756769
4-Jun-15	12,649.60	-0.002852012	2-Jun-16	11,938.45	0.000353605
3-Jun-15	12,685.78	0.008569732	1-Jun-16	11,934.23	0.0009721
2-Jun-15	12,577.99	0.001829547	31-May-16	11,922.64	0.000540441
1-Jun-15	12,555.02	-0.001703978	30-May-16	11,916.20	-0.00369303
29-May-15	12,576.45	-0.001676514	27-May-16	11,960.37	0.002528876
28-May-15	12,597.57	-0.00080744	26-May-16	11,930.20	-0.001553299
27-May-15	12,607.75	-0.005100853	25-May-16	11,948.76	0.001622881
26-May-15	12,672.39	0.000819775	24-May-16	11,929.40	-0.003544986
25-May-15	12,662.01	-0.013703144	23-May-16	11,971.84	0.003505443
22-May-15	12,837.93	-0.005144018	20-May-16	11,930.02	-0.001161263
21-May-15	12,904.31	-0.006837449	19-May-16	11,943.89	0.003235515
20-May-15	12,993.15	-0.000153904	18-May-16	11,905.37	-0.000120939
19-May-15	12,995.15	-0.008978195	17-May-16	11,906.81	0.004878045
18-May-15	13,112.88	0.008927548	16-May-16	11,849.01	-0.004768272
15-May-15	12,996.85	0.004155119	13-May-16	11,905.78	-0.007778077
14-May-15	12,943.07	0.001461601	12-May-16	11,999.11	0.001866951
13-May-15	12,924.18	0.002256675	11-May-16	11,976.75	0.003550247
12-May-15	12,895.08	-0.002948995	10-May-16	11,934.38	0.002194277
11-May-15	12,933.22	-0.001819894	9-May-16	11,908.25	-0.012300368
8-May-15	12,956.80	0.00034125	6-May-16	12,056.55	-0.000315082
7-May-15	12,952.38	-0.007462967	5-May-16	12,060.35	-0.004707284
6-May-15	13,049.77	-0.004690621	4-May-16	12,117.39	0.002368316
5-May-15	13,111.27	0.0028576	3-May-16	12,088.76	-0.009847661
30-Apr-15	13,073.91	-0.008383367	29-Apr-16	12,208.99	-0.000698996
29-Apr-15	13,184.44	-0.004908121	28-Apr-16	12,217.53	-0.008313345
28-Apr-15	13,249.47	-0.005386143	27-Apr-16	12,319.95	0.001820686

27-Apr-15	13,321.22	-0.002421079	26-Apr-16	12,297.56	-0.013143049
24-Apr-15	13,353.55	0.006950257	25-Apr-16	12,461.34	-0.002114873
23-Apr-15	13,261.38	-0.000825778	22-Apr-16	12,487.75	-0.002825172
22-Apr-15	13,272.34	-0.004284498	21-Apr-16	12,523.13	0.006207682
21-Apr-15	13,329.45	0.003031794	20-Apr-16	12,445.87	-0.000682491
20-Apr-15	13,289.16	0.001869672	19-Apr-16	12,454.37	-0.0024877
17-Apr-15	13,264.36	-0.000434811	18-Apr-16	12,485.43	-0.004332619
16-Apr-15	13,270.13	0.00495962	15-Apr-16	12,539.76	0.000982642
15-Apr-15	13,204.64	0.001839855	14-Apr-16	12,527.45	-0.000178775
14-Apr-15	13,180.39	0.000351403	13-Apr-16	12,529.69	0.003152844
13-Apr-15	13,175.76	-0.003015373	12-Apr-16	12,490.31	-0.001809326
10-Apr-15	13,215.61	-0.000194429	11-Apr-16	12,512.95	-0.002318604
9-Apr-15	13,218.18	-3.25299E-05	8-Apr-16	12,542.03	-0.00100998
8-Apr-15	13,218.61	-0.001361374	7-Apr-16	12,554.71	0.001835344
7-Apr-15	13,236.63	0.005476838	6-Apr-16	12,531.71	0.000546113
6-Apr-15	13,164.53	0.002309238	5-Apr-16	12,524.87	-0.000939645
3-Apr-15	13,134.20	0.001609842	4-Apr-16	12,536.65	0.005862682
2-Apr-15	13,113.09	0.001452566	1-Apr-16	12,463.58	-0.002778776
1-Apr-15	13,094.07	-0.002139893	31-Mar-16	12,498.31	-0.001454079
31-Mar-15	13,122.15	0.003566206	30-Mar-16	12,516.51	0.002464411
30-Mar-15	13,075.52	0.003459592	29-Mar-16	12,485.74	0.003230879
27-Mar-15	13,030.44	-0.00267119	28-Mar-16	12,445.53	-0.001303987
26-Mar-15	13,065.34	0.000487021	25-Mar-16	12,461.78	-0.003828238
25-Mar-15	13,058.98	-0.000274066	24-Mar-16	12,509.67	-0.003458909
24-Mar-15	13,062.56	0.007964134	23-Mar-16	12,553.09	-0.001330966
23-Mar-15	12,959.35	-0.001890803	22-Mar-16	12,569.82	0.004348243
20-Mar-15	12,983.90	-0.000423422	21-Mar-16	12,515.40	-0.000257217
19-Mar-15	12,989.40	0.005636158	18-Mar-16	12,518.62	0.007486158
18-Mar-15	12,916.60	0.002605753	17-Mar-16	12,425.60	0.003085398
17-Mar-15	12,883.03	0.001413931	16-Mar-16	12,387.38	0.000598547
16-Mar-15	12,864.84	-0.001090933	15-Mar-16	12,379.97	-0.004789562
13-Mar-15	12,878.89	-0.003683132	14-Mar-16	12,439.55	0.002439303
12-Mar-15	12,926.50	0.003128155	11-Mar-16	12,409.28	0.002857623
11-Mar-15	12,886.19	-0.003673349	10-Mar-16	12,373.92	0.002328846
10-Mar-15	12,933.70	-0.002332624	9-Mar-16	12,345.17	0.000472473
9-Mar-15	12,963.94	-0.005449951	8-Mar-16	12,339.34	-0.00394488
6-Mar-15	13,034.98	-1.53431E-05	7-Mar-16	12,388.21	-0.002903989
5-Mar-15	13,035.18	-0.005054422	4-Mar-16	12,424.29	-0.002206114
4-Mar-15	13,101.40	0.002783767	3-Mar-16	12,451.76	-0.000363672

3-Mar-15	13,065.03	-0.000552315	2-Mar-16	12,456.29	0.010681034
2-Mar-15	13,072.25	-0.003687323	1-Mar-16	12,324.65	0.0061563
27-Feb-15	13,120.63	-0.00128259	29-Feb-16	12,249.24	-0.004950374
26-Feb-15	13,137.48	0.003271568	26-Feb-16	12,310.18	-0.00209387
25-Feb-15	13,094.64	0.001675242	25-Feb-16	12,336.01	-0.004852309
24-Feb-15	13,072.74	0.005753211	24-Feb-16	12,396.16	-0.007508443
23-Feb-15	12,997.96	0.003629075	23-Feb-16	12,489.94	0.001506677
18-Feb-15	12,950.96	-0.000149001	22-Feb-16	12,471.15	0.000696491
17-Feb-15	12,952.89	0.000125084	19-Feb-16	12,462.47	-0.001918084
16-Feb-15	12,951.27	0.001679098	18-Feb-16	12,486.42	0.009657976
13-Feb-15	12,929.56	0.00982445	17-Feb-16	12,366.98	0.005163592
12-Feb-15	12,803.77	-0.006404476	16-Feb-16	12,303.45	0.007682448
11-Feb-15	12,886.30	-0.007280748	15-Feb-16	12,209.65	0.003413017
10-Feb-15	12,980.81	-0.00141163	12-Feb-16	12,168.12	-0.001122167
9-Feb-15	12,999.16	0.001401282	11-Feb-16	12,181.79	-0.002131422
6-Feb-15	12,980.97	0.00336698	10-Feb-16	12,207.81	-0.010938343
5-Feb-15	12,937.41	-0.00212111	5-Feb-16	12,342.82	-0.00083218
4-Feb-15	12,964.91	0.008787758	4-Feb-16	12,353.10	0.012064717
30-Jan-15	12,851.97	-0.000961573	3-Feb-16	12,205.84	-0.009647262
29-Jan-15	12,864.34	-0.00763539	2-Feb-16	12,324.74	-0.007735399
28-Jan-15	12,963.32	-0.003321411	29-Jan-16	12,420.82	0.018555845
27-Jan-15	13,006.52	0.003091057	28-Jan-16	12,194.54	-0.00319855
26-Jan-15	12,966.44	-0.002738799	27-Jan-16	12,233.67	0.002661214
23-Jan-15	13,002.05	0.012600212	26-Jan-16	12,201.20	-0.002466608
22-Jan-15	12,840.26	0.012454356	22-Jan-16	12,231.37	0.010389407
21-Jan-15	12,682.31	-0.011124328	21-Jan-16	12,105.60	-0.012707348
20-Jan-15	12,542.78	-0.000667667	20-Jan-16	12,261.41	-0.008778496
19-Jan-15	12,551.16	0.002611341	19-Jan-16	12,370.00	0.003499675
16-Jan-15	12,518.47	-0.001673916	18-Jan-16	12,326.86	-0.003111118
15-Jan-15	12,539.46	-2.87085E-05	15-Jan-16	12,365.33	-0.002539363
14-Jan-15	12,539.82	0.002539163	14-Jan-16	12,396.81	-0.007361826
13-Jan-15	12,508.06	0.001519728	13-Jan-16	12,488.75	-0.000264968
12-Jan-15	12,489.08	0.003192137	12-Jan-16	12,492.06	0.001333823
9-Jan-15	12,449.34	0.005635086	11-Jan-16	12,475.42	-0.011799391
8-Jan-15	12,379.58	0.011412684	8-Jan-16	12,624.38	0.001103846
7-Jan-15	12,239.89	-0.002598645	7-Jan-16	12,610.46	-0.00769344
6-Jan-15	12,271.78	-0.010100032	6-Jan-16	12,708.23	0.003260459
5-Jan-15	12,396.99	-0.005436928	5-Jan-16	12,666.93	0.009482831
4-Jan-15	12,464.76	0	4-Jan-16	12,547.94	-0.019741966

2-Jan-15	12,464.76	0			
Average		0.000130241	Average		-0.000246221
Stadev		0.006731973	Stadev		0.004787562

Return Saham Syariah Malaysia tahun 2017-2018

(Lanjutan)

Periode	Close price 2017	Return 2017	Periode	Close price 2018	Return 2018
29-Dec-17	13,302.92	0.011179057	31-Dec-18	11,504.43	-0.000433558
28-Dec-17	13,155.85	0.00298398	28-Dec-18	11,509.42	0.002100948
27-Dec-17	13,116.71	0.00752221	27-Dec-18	11,485.29	0.014240513
26-Dec-17	13,018.78	0.000607953	26-Dec-18	11,324.03	-0.011811285
22-Dec-17	13,010.87	0.006146284	24-Dec-18	11,459.38	0.012431673
21-Dec-17	12,931.39	0.001708842	21-Dec-18	11,318.67	0.017272293
20-Dec-17	12,909.33	0.004692179	20-Dec-18	11,126.49	-0.002942829
19-Dec-17	12,849.04	-0.003006722	19-Dec-18	11,159.33	0.008228943
18-Dec-17	12,887.79	-0.000228071	18-Dec-18	11,068.25	-0.010697242
15-Dec-17	12,890.73	0.001787417	17-Dec-18	11,187.93	-0.014129895
14-Dec-17	12,867.73	0.001922442	14-Dec-18	11,348.28	-0.009331158
13-Dec-17	12,843.04	-0.000820782	13-Dec-18	11,455.17	0.004257181
12-Dec-17	12,853.59	0.002588843	12-Dec-18	11,406.61	0.000621078
11-Dec-17	12,820.40	0.002276551	11-Dec-18	11,399.53	-0.00542849
8-Dec-17	12,791.28	0.000229897	10-Dec-18	11,461.75	-0.012618634
7-Dec-17	12,788.34	-0.001838915	7-Dec-18	11,608.23	-0.000605238
6-Dec-17	12,811.90	-0.001871311	6-Dec-18	11,615.26	-0.006043191
5-Dec-17	12,835.92	-0.000278048	5-Dec-18	11,685.88	-0.006105802
4-Dec-17	12,839.49	-0.006242962	4-Dec-18	11,757.67	-0.002529801
30-Nov-17	12,920.15	0.000731176	3-Dec-18	11,787.49	0.013241999
29-Nov-17	12,910.71	0.00529405	30-Nov-18	11,633.44	-0.013897978
28-Nov-17	12,842.72	-0.002267729	29-Nov-18	11,797.40	0.006664221
27-Nov-17	12,871.91	0.002542981	28-Nov-18	11,719.30	-0.002070912
24-Nov-17	12,839.26	-0.004093227	27-Nov-18	11,743.62	-0.009266493
23-Nov-17	12,892.03	0.000620924	26-Nov-18	11,853.46	0.001490391
22-Nov-17	12,884.03	0.005241538	23-Nov-18	11,835.82	-0.001766081
21-Nov-17	12,816.85	-0.001097348	22-Nov-18	11,856.76	-0.002262773
20-Nov-17	12,830.93	-0.002094439	21-Nov-18	11,883.65	-0.005890049
17-Nov-17	12,857.86	-0.000152413	19-Nov-18	11,954.06	-0.000145536

16-Nov-17	12,859.82	-0.002995706	16-Nov-18	11,955.80	0.007374278
15-Nov-17	12,898.46	-0.006840529	15-Nov-18	11,868.28	0.003481834
14-Nov-17	12,987.30	-0.001966512	14-Nov-18	11,827.10	-0.001105557
13-Nov-17	13,012.89	-0.001291662	13-Nov-18	11,840.19	-0.006761297
10-Nov-17	13,029.72	-0.00048941	12-Nov-18	11,920.79	-0.007567628
9-Nov-17	13,036.10	0.000166489	9-Nov-18	12,011.69	-0.00929613
8-Nov-17	13,033.93	-0.000702288	8-Nov-18	12,124.40	0.004883353
7-Nov-17	13,043.09	-0.000743902	7-Nov-18	12,065.48	0.006874682
6-Nov-17	13,052.80	0.001958966	5-Nov-18	11,983.10	0.007811462
3-Nov-17	13,027.28	-0.000270129	2-Nov-18	11,890.22	0.010484539
2-Nov-17	13,030.80	-0.003516918	1-Nov-18	11,766.85	-0.000418798
1-Nov-17	13,076.79	-0.00045327	31-Oct-18	11,771.78	0.018960886
31-Oct-17	13,082.72	0.001250538	30-Oct-18	11,552.73	0.002349542
30-Oct-17	13,066.38	0.005252302	29-Oct-18	11,525.65	-0.001708044
27-Oct-17	12,998.11	0.011823712	26-Oct-18	11,545.37	0.000552908
26-Oct-17	12,846.22	-0.00150479	25-Oct-18	11,538.99	-0.006558664
25-Oct-17	12,865.58	0.002741144	24-Oct-18	11,615.17	-0.007906735
24-Oct-17	12,830.41	-0.003133464	23-Oct-18	11,707.74	-0.013123523
23-Oct-17	12,870.74	0.001206513	22-Oct-18	11,863.43	-0.006921913
20-Oct-17	12,855.23	0.000550273	19-Oct-18	11,946.12	-0.007804759
19-Oct-17	12,848.16	-0.001449466	18-Oct-18	12,040.09	-0.002550767
17-Oct-17	12,866.81	-0.002745262	17-Oct-18	12,070.88	0.003901374
16-Oct-17	12,902.23	0.001945302	16-Oct-18	12,023.97	0.003756583
13-Oct-17	12,877.18	0.002095679	15-Oct-18	11,978.97	-0.000833267
12-Oct-17	12,850.25	-0.001208631	12-Oct-18	11,988.96	0.008106756
11-Oct-17	12,865.80	-0.000937267	11-Oct-18	11,892.55	-0.010924076
10-Oct-17	12,877.87	0.001799336	10-Oct-18	12,023.90	-0.027242926
9-Oct-17	12,854.74	5.44549E-06	9-Oct-18	12,360.64	-0.000945658
6-Oct-17	12,854.67	0.003943244	8-Oct-18	12,372.34	-0.011147859
5-Oct-17	12,804.18	0.0006463	5-Oct-18	12,511.82	-0.009716975
4-Oct-17	12,795.91	0.001063187	4-Oct-18	12,634.59	-0.005067352
3-Oct-17	12,782.32	0.00146824	3-Oct-18	12,698.94	-0.000731022
2-Oct-17	12,763.58	-0.002640386	2-Oct-18	12,708.23	-1.57378E-06
29-Sep-17	12,797.37	0.003856228	1-Oct-18	12,708.25	0.002341749
28-Sep-17	12,748.21	-0.002581135	28-Sep-18	12,678.56	-0.001829662
27-Sep-17	12,781.20	-0.000209639	27-Sep-18	12,701.80	-0.000483162
26-Sep-17	12,783.88	-0.002945021	26-Sep-18	12,707.94	0.004767688
25-Sep-17	12,821.64	-0.00079334	25-Sep-18	12,647.64	-0.002623629
21-Sep-17	12,831.82	-0.001051744	24-Sep-18	12,680.91	-0.004320843

20-Sep-17	12,845.33	-0.001140747	21-Sep-18	12,735.94	0.0025702
19-Sep-17	12,860.00	-0.002023115	20-Sep-18	12,703.29	0.001711142
18-Sep-17	12,886.07	-0.003241806	19-Sep-18	12,681.59	0.004358273
15-Sep-17	12,927.98	0.002571575	18-Sep-18	12,626.56	-0.003176809
14-Sep-17	12,894.82	-0.001975953	14-Sep-18	12,666.80	0.008063361
13-Sep-17	12,920.35	-0.002137777	13-Sep-18	12,565.48	0.002712367
12-Sep-17	12,948.03	0.002795864	12-Sep-18	12,531.49	-0.011987199
11-Sep-17	12,911.93	0.002001375	7-Sep-18	12,683.53	-0.000423992
8-Sep-17	12,886.14	0.000138928	6-Sep-18	12,688.91	-0.000196196
7-Sep-17	12,884.35	0.006300532	5-Sep-18	12,691.40	-0.005099381
6-Sep-17	12,803.68	0.000877862	4-Sep-18	12,756.45	0.000138773
5-Sep-17	12,792.45	0.003401027	3-Sep-18	12,754.68	-0.004090709
30-Aug-17	12,749.09	0.003674893	30-Aug-18	12,807.07	-0.004774446
29-Aug-17	12,702.41	-0.005942864	29-Aug-18	12,868.51	-0.00693758
28-Aug-17	12,778.35	-0.001497166	28-Aug-18	12,958.41	0.005778503
25-Aug-17	12,797.51	-0.00330919	27-Aug-18	12,883.96	0.000168455
24-Aug-17	12,840.00	0.003561706	24-Aug-18	12,881.79	-0.004536919
23-Aug-17	12,794.43	0.001374359	23-Aug-18	12,940.50	0.00474323
22-Aug-17	12,776.87	0.002149109	21-Aug-18	12,879.41	0.004798758
21-Aug-17	12,749.47	-0.00167647	20-Aug-18	12,817.90	0.002883959
18-Aug-17	12,770.88	0.000364242	17-Aug-18	12,781.04	0.003627055
17-Aug-17	12,766.23	0.002742057	16-Aug-18	12,734.85	-0.0068186
16-Aug-17	12,731.32	0.002249908	15-Aug-18	12,822.28	0.002727685
15-Aug-17	12,702.74	0.002826255	14-Aug-18	12,787.40	0.002335077
14-Aug-17	12,666.94	0.004318742	13-Aug-18	12,757.61	-0.014771162
11-Aug-17	12,612.47	-0.009247309	10-Aug-18	12,948.88	0.000741927
10-Aug-17	12,730.19	-0.001458179	9-Aug-18	12,939.28	-0.000936578
9-Aug-17	12,748.78	-0.001132941	8-Aug-18	12,951.41	0.010021914
8-Aug-17	12,763.24	0.000745664	7-Aug-18	12,822.90	0.008986764
7-Aug-17	12,753.73	0.000762711	6-Aug-18	12,708.69	-0.00280671
4-Aug-17	12,744.01	0.000366581	3-Aug-18	12,744.46	0.002246007
3-Aug-17	12,739.34	-0.000240928	2-Aug-18	12,715.90	-0.009050782
2-Aug-17	12,742.41	0.002760611	1-Aug-18	12,832.04	0.001661886
1-Aug-17	12,707.33	-0.000810685	31-Jul-18	12,810.75	0.009089942
31-Jul-17	12,717.64	-0.000945821	30-Jul-18	12,695.35	0.000316752
28-Jul-17	12,729.68	-0.001233386	27-Jul-18	12,691.33	0.001189626
27-Jul-17	12,745.40	0.001032024	26-Jul-18	12,676.25	-0.000297318
26-Jul-17	12,732.26	0.001155882	25-Jul-18	12,680.02	0.000616309
25-Jul-17	12,717.56	-0.001088645	24-Jul-18	12,672.21	0.005957692

24-Jul-17	12,731.42	0.000906454	23-Jul-18	12,597.16	0.007006669
21-Jul-17	12,719.89	0.001269703	20-Jul-18	12,509.51	-0.00212585
20-Jul-17	12,703.76	-0.001931908	19-Jul-18	12,536.16	0.005541799
19-Jul-17	12,728.35	0.001441381	18-Jul-18	12,467.07	0.00949897
18-Jul-17	12,710.03	0.001482916	17-Jul-18	12,349.76	0.003444278
17-Jul-17	12,691.21	0.001299435	16-Jul-18	12,307.37	0.00560596
14-Jul-17	12,674.74	-0.001952827	13-Jul-18	12,238.76	0.011857459
13-Jul-17	12,699.54	-0.003661481	12-Jul-18	12,095.34	0.007231544
12-Jul-17	12,746.21	0.002925479	11-Jul-18	12,008.50	-0.003982907
11-Jul-17	12,709.03	-0.00228213	10-Jul-18	12,056.52	0.010739906
10-Jul-17	12,738.10	-0.002205033	9-Jul-18	11,928.41	-0.002916419
7-Jul-17	12,766.25	-0.006697618	6-Jul-18	11,963.30	-0.013923256
6-Jul-17	12,852.33	0.000916627	5-Jul-18	12,132.22	0.001058634
5-Jul-17	12,840.56	0.002640797	4-Jul-18	12,119.39	0.006818799
4-Jul-17	12,806.74	-0.004005214	3-Jul-18	12,037.31	-0.004622429
3-Jul-17	12,858.24	0.002814661	2-Jul-18	12,093.21	5.45791E-05
30-Jun-17	12,822.15	-0.002166539	29-Jun-18	12,092.55	0.017158512
29-Jun-17	12,849.99	0.002270515	28-Jun-18	11,888.56	-0.002681928
28-Jun-17	12,820.88	-0.000790272	27-Jun-18	11,920.53	-0.005614027
23-Jun-17	12,831.02	-0.000144161	26-Jun-18	11,987.83	-0.00279252
22-Jun-17	12,832.87	0.000234609	25-Jun-18	12,021.40	-0.00170156
21-Jun-17	12,829.86	-0.002942246	22-Jun-18	12,041.89	-0.000412556
20-Jun-17	12,867.72	-0.005672611	21-Jun-18	12,046.86	-0.011252499
19-Jun-17	12,941.13	-0.002926241	20-Jun-18	12,183.96	0.001252391
16-Jun-17	12,979.11	0.001462946	19-Jun-18	12,168.72	-0.012715966
15-Jun-17	12,960.15	-0.001790748	18-Jun-18	12,325.45	-0.011885798
14-Jun-17	12,983.40	0.00032976	14-Jun-18	12,473.71	0.000384957
13-Jun-17	12,979.12	-0.002767546	13-Jun-18	12,468.91	0.00362124
9-Jun-17	13,015.14	0.002878767	12-Jun-18	12,423.92	-0.006319319
8-Jun-17	12,977.78	0.002577947	11-Jun-18	12,502.93	0.002994641
7-Jun-17	12,944.41	0.000468375	8-Jun-18	12,465.60	-0.002114151
6-Jun-17	12,938.35	0.000383503	7-Jun-18	12,492.01	0.005657827
5-Jun-17	12,933.39	0.003027683	6-Jun-18	12,421.73	0.009837636
2-Jun-17	12,894.35	0.01152308	5-Jun-18	12,300.72	0.00518498
1-Jun-17	12,747.46	-0.004417363	4-Jun-18	12,237.27	0.001396048
31-May-17	12,804.02	-0.003566579	1-Jun-18	12,220.21	0.003633386
30-May-17	12,849.85	2.49036E-05	31-May-18	12,175.97	0.012458694
29-May-17	12,849.53	-0.005797534	30-May-18	12,026.14	-0.033653784
26-May-17	12,924.46	-0.001275793	28-May-18	12,444.96	-0.013081764

25-May-17	12,940.97	-0.003723056	25-May-18	12,609.92	0.011386796
24-May-17	12,989.33	-0.000107769	24-May-18	12,467.95	-0.008984197
23-May-17	12,990.73	-0.006266518	23-May-18	12,580.98	-0.022872934
22-May-17	13,072.65	0.004854917	22-May-18	12,875.48	-0.005794362
19-May-17	13,009.49	0.001318467	21-May-18	12,950.52	0.000376961
18-May-17	12,992.36	-0.006962231	18-May-18	12,945.64	-0.002182065
17-May-17	13,083.45	0.000155182	17-May-18	12,973.95	-0.00736408
16-May-17	13,081.42	-0.001347424	16-May-18	13,070.20	0.002274446
15-May-17	13,099.07	0.003150576	15-May-18	13,040.54	0.002381326
12-May-17	13,057.93	-0.001228393	14-May-18	13,009.56	-0.005032366
11-May-17	13,073.99	0.006039783	8-May-18	13,075.36	0.008072841
9-May-17	12,995.50	-2.23149E-05	7-May-18	12,970.65	-0.008923823
8-May-17	12,995.79	0.00456219	4-May-18	13,087.44	0.000857281
5-May-17	12,936.77	0.001545273	3-May-18	13,076.23	-0.000129225
4-May-17	12,916.81	-0.004219237	2-May-18	13,077.92	-0.0069268
3-May-17	12,971.54	-0.00218002	30-Apr-18	13,169.14	0.003072634
2-May-17	12,999.88	0.002111391	27-Apr-18	13,128.80	0.006801323
28-Apr-17	12,972.49	0.00017733	26-Apr-18	13,040.11	0.003107762
27-Apr-17	12,970.19	0.001590011	25-Apr-18	12,999.71	-0.01005125
26-Apr-17	12,949.60	0.001240184	24-Apr-18	13,131.70	-0.008632014
25-Apr-17	12,933.56	0.006654701	23-Apr-18	13,246.04	-0.007792469
21-Apr-17	12,848.06	0.002794981	20-Apr-18	13,350.07	-0.006042633
20-Apr-17	12,812.25	0.000776422	19-Apr-18	13,431.23	0.007815671
19-Apr-17	12,802.31	-0.004089498	18-Apr-18	13,327.07	-0.002461087
18-Apr-17	12,854.88	0.005701768	17-Apr-18	13,359.95	-0.002925559
17-Apr-17	12,782.00	-0.001771243	16-Apr-18	13,399.15	0.003478697
14-Apr-17	12,759.40	-0.007247589	13-Apr-18	13,352.70	0.000314642
13-Apr-17	12,852.55	-0.005115093	12-Apr-18	13,348.50	-0.001105268
12-Apr-17	12,918.63	0.003958753	11-Apr-18	13,363.27	0.004931684
11-Apr-17	12,867.69	-0.001732348	10-Apr-18	13,297.69	0.01829965
10-Apr-17	12,890.02	0.000550341	9-Apr-18	13,058.72	0.012798498
7-Apr-17	12,882.93	0.000292721	6-Apr-18	12,893.70	0.000523009
6-Apr-17	12,879.16	-0.003331473	5-Apr-18	12,886.96	0.012018294
5-Apr-17	12,922.21	0.002804579	4-Apr-18	12,733.92	-0.026347803
4-Apr-17	12,886.07	0.003800649	3-Apr-18	13,078.51	-0.009422916
3-Apr-17	12,837.28	0.002024769	2-Apr-18	13,202.92	-0.002102679
31-Mar-17	12,811.34	-0.004003007	30-Mar-18	13,230.74	0.005173734
30-Mar-17	12,862.83	0.00128909	29-Mar-18	13,162.64	0.000207448
29-Mar-17	12,846.27	0.000306798	28-Mar-18	13,159.91	-0.004054947

28-Mar-17	12,842.33	0.004959719	27-Mar-18	13,213.49	0.003656568
27-Mar-17	12,778.95	0.000485408	26-Mar-18	13,165.35	-0.002535833
24-Mar-17	12,772.75	-0.001887956	23-Mar-18	13,198.82	-0.006077027
23-Mar-17	12,796.91	0.000861105	22-Mar-18	13,279.52	0.001807543
22-Mar-17	12,785.90	-0.000788528	21-Mar-18	13,255.56	0.002013012
21-Mar-17	12,795.99	0.003429983	20-Mar-18	13,228.93	0.002165094
20-Mar-17	12,752.25	0.001965864	19-Mar-18	13,200.35	-0.001499224
17-Mar-17	12,727.23	0.00418726	16-Mar-18	13,220.17	0.002548047
16-Mar-17	12,674.16	0.009678419	15-Mar-18	13,186.57	-0.003933183
15-Mar-17	12,552.67	-0.001419989	14-Mar-18	13,238.64	-0.00556535
14-Mar-17	12,570.52	-0.001325156	13-Mar-18	13,312.73	0.001393841
13-Mar-17	12,587.20	0.002191139	12-Mar-18	13,294.20	0.013083625
10-Mar-17	12,559.68	0.000739419	9-Mar-18	13,122.51	0.002367181
9-Mar-17	12,550.40	-0.005310127	8-Mar-18	13,091.52	0.000503633
8-Mar-17	12,617.40	0.000167257	7-Mar-18	13,084.93	-0.013198401
7-Mar-17	12,615.29	0.004151832	6-Mar-18	13,259.94	0.0027739
6-Mar-17	12,563.13	0.005149307	5-Mar-18	13,223.26	-0.011149125
3-Mar-17	12,498.77	-0.003434105	2-Mar-18	13,372.35	-0.00449425
2-Mar-17	12,541.84	0.009010575	1-Mar-18	13,432.72	0.000388009
1-Mar-17	12,429.84	0.003397711	28-Feb-18	13,427.51	-0.011612577
28-Feb-17	12,387.75	0.001014125	27-Feb-18	13,585.27	0.003764504
27-Feb-17	12,375.20	-0.001215471	26-Feb-18	13,534.32	-0.004931114
24-Feb-17	12,390.26	-0.006545915	23-Feb-18	13,601.39	0.000664344
23-Feb-17	12,471.90	-0.003583995	22-Feb-18	13,592.36	-0.000617613
22-Feb-17	12,516.76	-0.000269167	21-Feb-18	13,600.76	0.001873989
21-Feb-17	12,520.13	-0.001998374	20-Feb-18	13,575.32	-0.002161015
20-Feb-17	12,545.20	0.00162397	19-Feb-18	13,604.72	0.012625139
17-Feb-17	12,524.86	-0.00114441	15-Feb-18	13,435.10	0.004515989
16-Feb-17	12,539.21	-0.000862149	14-Feb-18	13,374.70	0.000802156
15-Feb-17	12,550.03	-0.000232615	13-Feb-18	13,363.98	0.003437401
14-Feb-17	12,552.95	-3.26606E-05	12-Feb-18	13,318.20	0.00305476
13-Feb-17	12,553.36	0.005040671	9-Feb-18	13,277.64	-0.007573827
10-Feb-17	12,490.40	0.00358757	8-Feb-18	13,378.97	0.002154273
8-Feb-17	12,445.75	0.000858056	7-Feb-18	13,350.21	0.010298832
7-Feb-17	12,435.08	-0.001220856	6-Feb-18	13,214.12	-0.020408587
6-Feb-17	12,450.28	0.007757535	5-Feb-18	13,489.42	-0.01189585
3-Feb-17	12,354.44	0.006321664	2-Feb-18	13,651.82	-0.000456141
2-Feb-17	12,276.83	0.004026959	30-Jan-18	13,658.05	-0.006953048
31-Jan-17	12,227.59	-0.007547534	29-Jan-18	13,753.68	0.001108568

27-Jan-17	12,320.58	-0.000504592	26-Jan-18	13,738.45	0.001504613
26-Jan-17	12,326.80	0.00490272	25-Jan-18	13,717.81	0.00189236
25-Jan-17	12,266.66	0.000760361	24-Jan-18	13,691.90	-0.003668958
24-Jan-17	12,257.34	0.005212494	23-Jan-18	13,742.32	0.007413576
23-Jan-17	12,193.78	0.002947868	22-Jan-18	13,641.19	0.001007525
20-Jan-17	12,157.94	-0.001227318	19-Jan-18	13,627.46	0.004429009
19-Jan-17	12,172.88	5.50434E-05	18-Jan-18	13,567.37	-0.003755183
18-Jan-17	12,172.21	-0.000626445	17-Jan-18	13,618.51	-0.001606987
17-Jan-17	12,179.84	0.002189541	16-Jan-18	13,640.43	-0.001439229
16-Jan-17	12,153.23	-0.006830211	15-Jan-18	13,660.09	-0.003446331
13-Jan-17	12,236.81	-0.002045362	12-Jan-18	13,707.33	0.004821296
12-Jan-17	12,261.89	0.00138261	11-Jan-18	13,641.56	-0.006669264
11-Jan-17	12,244.96	0.000940045	10-Jan-18	13,733.15	-0.002802115
10-Jan-17	12,233.46	0.000191315	9-Jan-18	13,771.74	-0.002568225
9-Jan-17	12,231.12	-0.005020809	8-Jan-18	13,807.20	0.014434189
6-Jan-17	12,292.84	0.006462304	5-Jan-18	13,610.74	0.010711774
5-Jan-17	12,213.91	0.007853127	4-Jan-18	13,466.49	0.012978836
4-Jan-17	12,118.74	0.008079617	3-Jan-18	13,293.95	0.009136462
3-Jan-17	12,021.61	0.000598448	2-Jan-18	13,173.59	-0.009721926
verage		0.000425287	Average		-0.000567303
stdev		0.003460663	Stdev		0.007782329

Return Saham Syariah Malaysia tahun 2019

STATE ISLAMIC UNIVERSITY (Lanjutan)

Periode	Close price 2019	Return 2019	Periode	Close price 2019	Return 2019
31-Dec-19	11,947.92	-0.011773931	2-Jul-19	12,318.76	0.004295589
30-Dec-19	12,090.27	0.002923261	1-Jul-19	12,266.07	0.010972608
27-Dec-19	12,055.03	0.004648624	28-Jun-19	12,132.94	0.000140134
26-Dec-19	11,999.25	0.000663815	27-Jun-19	12,131.24	0.00038098
24-Dec-19	11,991.29	-0.006471738	26-Jun-19	12,126.62	-0.003037759
23-Dec-19	12,069.40	7.12597E-05	25-Jun-19	12,163.57	0.003094992
20-Dec-19	12,068.54	0.013059727	24-Jun-19	12,126.04	-0.006910491
19-Dec-19	11,912.96	-0.005581052	21-Jun-19	12,210.42	0.006400852
18-Dec-19	11,979.82	0.00817153	20-Jun-19	12,132.76	0.010334209
17-Dec-19	11,882.72	0.004400431	19-Jun-19	12,008.66	0.009223534

16-Dec-19	11,830.66	-0.000364175	18-Jun-19	11,898.91	0.010734302
13-Dec-19	11,834.97	0.003547828	17-Jun-19	11,772.54	-0.001331836
12-Dec-19	11,793.13	0.00681447	14-Jun-19	11,788.24	-0.003865983
11-Dec-19	11,713.31	0.000701404	13-Jun-19	11,833.99	-0.00093541
10-Dec-19	11,705.10	0.000444448	12-Jun-19	11,845.07	0.000391878
9-Dec-19	11,699.90	-0.002053059	11-Jun-19	11,840.43	-0.00099475
6-Dec-19	11,723.97	0.006097184	10-Jun-19	11,852.22	0.005239838
5-Dec-19	11,652.92	0.003536904	7-Jun-19	11,790.44	0.005555508
4-Dec-19	11,611.85	0.000367001	4-Jun-19	11,725.30	-0.005507102
3-Dec-19	11,607.59	-0.004694598	3-Jun-19	11,790.23	-0.00046966
2-Dec-19	11,662.34	0.006024585	31-May-19	11,795.77	0.010659426
29-Nov-19	11,592.50	-0.015447098	30-May-19	11,671.36	0.01002115
28-Nov-19	11,774.38	-0.002797396	29-May-19	11,555.56	0.008712655
27-Nov-19	11,807.41	-0.000457977	28-May-19	11,455.75	0.01254394
26-Nov-19	11,812.82	-0.000976796	27-May-19	11,313.83	-0.000147585
25-Nov-19	11,824.37	-0.003855055	24-May-19	11,315.50	-0.001480726
22-Nov-19	11,870.13	0.002850531	23-May-19	11,332.28	-0.005864483
21-Nov-19	11,836.39	-0.005170656	21-May-19	11,399.13	-0.004559292
20-Nov-19	11,897.91	0.000183259	17-May-19	11,451.34	0.001675971
19-Nov-19	11,895.73	-0.001058922	16-May-19	11,432.18	-0.008115762
18-Nov-19	11,908.34	0.006116112	15-May-19	11,525.72	0.013080892
15-Nov-19	11,835.95	0.000180838	14-May-19	11,376.90	-0.002822309
14-Nov-19	11,833.81	-0.003961828	13-May-19	11,409.10	-0.012235908
13-Nov-19	11,880.88	-0.004930589	10-May-19	11,550.43	-0.007131197
12-Nov-19	11,939.75	0.004583825	9-May-19	11,633.39	-0.011147067
11-Nov-19	11,885.27	-0.0007155	8-May-19	11,764.53	-0.005686366
8-Nov-19	11,893.78	-0.00218376	7-May-19	11,831.81	0.012576103
7-Nov-19	11,919.81	0.003570647	6-May-19	11,684.86	-0.008057033
6-Nov-19	11,877.40	-0.004491664	3-May-19	11,779.77	0.004638656
5-Nov-19	11,930.99	0.000228868	2-May-19	11,725.38	-0.009433938
4-Nov-19	11,928.26	0.008785239	30-Apr-19	11,837.05	0.000874292
1-Nov-19	11,824.38	-0.000456475	29-Apr-19	11,826.71	-0.004981524
31-Oct-19	11,829.78	0.002716624	26-Apr-19	11,885.92	0.001345414
30-Oct-19	11,797.73	-0.001547899	25-Apr-19	11,869.95	-0.000664262
29-Oct-19	11,816.02	0.001478144	24-Apr-19	11,877.84	0.00834669
25-Oct-19	11,798.58	-0.001105689	23-Apr-19	11,779.52	0.002521726
24-Oct-19	11,811.64	0.000187986	22-Apr-19	11,749.89	0.005121463
23-Oct-19	11,809.42	-0.001640906	19-Apr-19	11,690.02	0.000697662
22-Oct-19	11,828.83	0.001708917	18-Apr-19	11,681.87	-0.000338017

21-Oct-19	11,808.65	0.000628748	17-Apr-19	11,685.82	-0.005534914
18-Oct-19	11,801.23	-0.003327526	16-Apr-19	11,750.86	-0.001507401
17-Oct-19	11,840.63	0.000359062	15-Apr-19	11,768.60	0.000527954
16-Oct-19	11,836.38	0.005697011	12-Apr-19	11,762.39	0.002991308
15-Oct-19	11,769.33	-0.001154212	11-Apr-19	11,727.31	-0.011288899
14-Oct-19	11,782.93	0.00568094	10-Apr-19	11,861.21	1.77051E-05
11-Oct-19	11,716.37	0.006410554	9-Apr-19	11,861.00	-0.001327802
10-Oct-19	11,641.74	0.001939893	8-Apr-19	11,876.77	0.007576696
9-Oct-19	11,619.20	-0.004484413	5-Apr-19	11,787.46	-0.000523164
8-Oct-19	11,671.54	0.001682123	4-Apr-19	11,793.63	0.004371375
7-Oct-19	11,651.94	0.000456785	3-Apr-19	11,742.30	0.005432037
4-Oct-19	11,646.62	-0.00164669	2-Apr-19	11,678.86	0.000507156
3-Oct-19	11,665.83	-0.004569354	1-Apr-19	11,672.94	-0.001293628
2-Oct-19	11,719.38	-0.006992094	29-Mar-19	11,688.06	0.00322734
1-Oct-19	11,801.90	0.00284405	28-Mar-19	11,650.46	-0.000514736
30-Sep-19	11,768.43	0.000617286	27-Mar-19	11,656.46	-0.001222717
27-Sep-19	11,761.17	-0.004777608	26-Mar-19	11,670.73	0.001686539
26-Sep-19	11,817.63	0.002615638	25-Mar-19	11,651.08	-0.008853141
25-Sep-19	11,786.80	-0.000557093	22-Mar-19	11,755.15	0.003871967
24-Sep-19	11,793.37	0.001661314	21-Mar-19	11,709.81	-0.006657454
23-Sep-19	11,773.81	-0.005112254	20-Mar-19	11,788.29	-0.000166239
20-Sep-19	11,834.31	0.000180863	19-Mar-19	11,790.25	-0.004526396
19-Sep-19	11,832.17	-0.002489525	18-Mar-19	11,843.86	0.008152822
18-Sep-19	11,861.70	-0.000173638	15-Mar-19	11,748.08	0.004674424
17-Sep-19	11,863.76	0.002675772	14-Mar-19	11,693.42	-0.001223122
13-Sep-19	11,832.10	-0.002175937	13-Mar-19	11,707.74	0.001341937
12-Sep-19	11,806.41	-0.000908849	12-Mar-19	11,692.05	0.003612888
11-Sep-19	11,817.15	0.006020553	11-Mar-19	11,649.96	-0.007485206
10-Sep-19	11,746.43	-0.006752752	8-Mar-19	11,737.82	-0.004427473
6-Sep-19	11,826.29	0.004966073	7-Mar-19	11,790.02	0.002274028
5-Sep-19	11,767.85	-0.001628059	6-Mar-19	11,763.27	0.00774618
4-Sep-19	11,787.04	0.005544252	5-Mar-19	11,672.85	-0.00132098
3-Sep-19	11,722.05	-0.015950235	4-Mar-19	11,688.29	-0.00314452
30-Aug-19	11,912.05	0.01133588	1-Mar-19	11,725.16	-0.000592391
29-Aug-19	11,778.53	0.000912661	28-Feb-19	11,732.11	-0.00751547
28-Aug-19	11,767.79	0.002288577	27-Feb-19	11,820.95	-0.004985615
27-Aug-19	11,740.92	-0.006065573	26-Feb-19	11,880.18	-0.006727065
26-Aug-19	11,812.57	-0.009360804	25-Feb-19	11,960.64	0.000629962
23-Aug-19	11,924.19	0.004569522	22-Feb-19	11,953.11	-0.009075173

22-Aug-19	11,869.95	0.003064133	21-Feb-19	12,062.58	0.001754772
21-Aug-19	11,833.69	-0.003795844	20-Feb-19	12,041.45	0.016670888
20-Aug-19	11,878.78	0.003248223	19-Feb-19	11,844.00	0.011985933
19-Aug-19	11,840.32	-0.000244866	18-Feb-19	11,703.72	0.003439761
16-Aug-19	11,843.22	-0.000473464	15-Feb-19	11,663.60	0.003388617
15-Aug-19	11,848.83	0.00059197	14-Feb-19	11,624.21	0.004060567
14-Aug-19	11,841.82	0.003864794	13-Feb-19	11,577.20	-0.000366103
13-Aug-19	11,796.23	-0.01092854	12-Feb-19	11,581.44	0.000539084
9-Aug-19	11,926.57	-0.000120724	11-Feb-19	11,575.20	-0.001537993
8-Aug-19	11,928.01	0.007760118	8-Feb-19	11,593.03	-0.004178095
7-Aug-19	11,836.16	0.002630217	7-Feb-19	11,641.67	0.008534932
6-Aug-19	11,805.11	0.000973407	4-Feb-19	11,543.15	-0.000818863
5-Aug-19	11,793.63	-0.011142395	31-Jan-19	11,552.61	0.00143984
2-Aug-19	11,926.52	-0.010137227	30-Jan-19	11,536.00	-0.004806021
1-Aug-19	12,048.66	0.003809067	29-Jan-19	11,591.71	-0.007939592
31-Jul-19	12,002.94	-0.004069041	28-Jan-19	11,684.48	-0.003517905
29-Jul-19	12,051.98	-0.00070561	25-Jan-19	11,725.73	0.006895409
26-Jul-19	12,060.49	-0.006389005	24-Jan-19	11,645.43	0.006045553
25-Jul-19	12,138.04	0.000393958	23-Jan-19	11,575.45	-0.00579323
24-Jul-19	12,133.26	-0.002796843	22-Jan-19	11,642.90	0.00130464
23-Jul-19	12,167.29	0.000833254	18-Jan-19	11,627.73	0.004555508
22-Jul-19	12,157.16	-0.000632971	17-Jan-19	11,575.00	0.006848308
19-Jul-19	12,164.86	0.00822168	16-Jan-19	11,496.27	-0.00043908
18-Jul-19	12,065.66	-0.006848379	15-Jan-19	11,501.32	0.002922092
17-Jul-19	12,148.86	-0.008959359	14-Jan-19	11,467.81	-0.00861554
16-Jul-19	12,258.69	-0.000973869	11-Jan-19	11,567.47	0.00707457
15-Jul-19	12,270.64	0.002346037	10-Jan-19	11,486.21	0.011517848
12-Jul-19	12,241.92	-0.003082305	9-Jan-19	11,355.42	-0.000316929
11-Jul-19	12,279.77	0.001659131	8-Jan-19	11,359.02	-0.007064784
10-Jul-19	12,259.43	-0.003068999	7-Jan-19	11,439.84	0.007302162
9-Jul-19	12,297.17	0.005171695	4-Jan-19	11,356.91	-0.003711657
8-Jul-19	12,233.90	-0.00329549	3-Jan-19	11,399.22	0.006557198
5-Jul-19	12,274.35	-0.004859623	2-Jan-19	11,324.96	-0.02
4-Jul-19	12,334.29	0.00067175	Average		0.00017076
3-Jul-19	12,326.01	0.000588533	Stadev		0.00561983

Lampiran 3. Tabel data Closing Price return Indeks Indeks DJICHKU

Return Saham Syariah China tahun 2015-2016

Periode	Close price 2015	Rreturn 2015	Periode	Close price 2016	Return 2016
31-Dec-15	1,594.45	0.000677809	30-Dec-16	1,592.29	0.01172292
30-Dec-15	1,593.37	-0.002429175	29-Dec-16	1,573.84	0.006916054
29-Dec-15	1,597.25	0.005615961	28-Dec-16	1,563.03	0.00915518
28-Dec-15	1,588.33	-0.00830404	23-Dec-16	1,548.85	-0.006051544
24-Dec-15	1,601.63	0.002710825	22-Dec-16	1,558.28	-0.007976776
23-Dec-15	1,597.30	0.0099075	21-Dec-16	1,570.81	-4.4561E-05
22-Dec-15	1,581.63	0.005109336	20-Dec-16	1,570.88	-0.003058958
21-Dec-15	1,573.59	-0.002118039	19-Dec-16	1,575.70	-0.007495591
18-Dec-15	1,576.93	-0.006495552	16-Dec-16	1,587.60	-0.001930004
17-Dec-15	1,587.24	-0.001044748	15-Dec-16	1,590.67	-0.016879071
16-Dec-15	1,588.90	0.017436462	14-Dec-16	1,617.98	-0.000531245
15-Dec-15	1,561.67	-0.001872683	13-Dec-16	1,618.84	0.002669508
14-Dec-15	1,564.60	-0.008340939	12-Dec-16	1,614.53	-0.018116912
11-Dec-15	1,577.76	-0.011849588	9-Dec-16	1,644.32	-0.005996711
10-Dec-15	1,596.68	-0.005611295	8-Dec-16	1,654.24	0.006596081
9-Dec-15	1,605.69	-0.000647277	7-Dec-16	1,643.40	0.006541232
8-Dec-15	1,606.73	-0.013852575	6-Dec-16	1,632.72	0.002351294
7-Dec-15	1,629.30	-0.001764511	5-Dec-16	1,628.89	-0.005106123
4-Dec-15	1,632.18	-0.005550512	2-Dec-16	1,637.25	-0.011972796
3-Dec-15	1,641.29	-0.001435829	1-Dec-16	1,657.09	0.000906021
2-Dec-15	1,643.65	0.003663787	30-Nov-16	1,655.59	0.001645622
1-Dec-15	1,637.65	0.015596899	29-Nov-16	1,652.87	-0.00121459
30-Nov-15	1,612.50	0.000695056	28-Nov-16	1,654.88	0.010231241
27-Nov-15	1,611.38	-0.018253378	25-Nov-16	1,638.12	0.004113007
26-Nov-15	1,641.34	-0.003569651	24-Nov-16	1,631.41	-0.005456119
25-Nov-15	1,647.22	-0.002718395	23-Nov-16	1,640.36	-0.002062357
24-Nov-15	1,651.71	-0.003547319	22-Nov-16	1,643.75	0.00742198
23-Nov-15	1,657.59	-0.002275231	21-Nov-16	1,631.64	-0.003365605
20-Nov-15	1,661.37	0.010873137	18-Nov-16	1,637.15	0.002240601
19-Nov-15	1,643.50	0.01351143	17-Nov-16	1,633.49	0.003088808
18-Nov-15	1,621.59	-0.000314407	16-Nov-16	1,628.46	-0.001036714
17-Nov-15	1,622.10	0.012407784	15-Nov-16	1,630.15	0
16-Nov-15	1,602.22	-0.016958512	14-Nov-16	1,630.15	-0.016791416
13-Nov-15	1,629.86	-0.017647697	11-Nov-16	1,657.99	-0.02403433

12-Nov-15	1,659.14	0.025540542	10-Nov-16	1,698.82	0.013458533
11-Nov-15	1,617.82	0.002043951	9-Nov-16	1,676.26	-0.018042717
10-Nov-15	1,614.52	-0.014863809	8-Nov-16	1,707.06	0.006301691
9-Nov-15	1,638.88	-0.014734969	7-Nov-16	1,696.37	0.002724973
6-Nov-15	1,663.39	-0.006094683	4-Nov-16	1,691.76	-0.002599975
5-Nov-15	1,673.59	-0.005756618	3-Nov-16	1,696.17	-0.007211046
4-Nov-15	1,683.28	0.022158259	2-Nov-16	1,708.49	-0.010889828
3-Nov-15	1,646.79	0.008654588	1-Nov-16	1,727.30	0.010353299
2-Nov-15	1,632.66	-0.012639396	31-Oct-16	1,709.60	0.002174818
30-Oct-15	1,653.56	-0.003651438	28-Oct-16	1,705.89	-0.005050888
29-Oct-15	1,659.62	-0.006364317	27-Oct-16	1,714.55	-0.007076797
28-Oct-15	1,670.25	-0.005406918	26-Oct-16	1,726.77	-0.010106627
27-Oct-15	1,679.33	0.000619678	25-Oct-16	1,744.40	-0.004888846
26-Oct-15	1,678.29	-0.002597078	24-Oct-16	1,752.97	0.00419328
23-Oct-15	1,682.66	0.012808629	21-Oct-16	1,745.65	2.86434E-05
22-Oct-15	1,661.38	-0.004857771	20-Oct-16	1,745.60	0.000269321
20-Oct-15	1,669.49	-0.005326406	19-Oct-16	1,745.13	-0.000435308
19-Oct-15	1,678.43	0.005445266	18-Oct-16	1,745.89	0.015312057
16-Oct-15	1,669.34	0.001638056	17-Oct-16	1,719.56	-0.006717922
15-Oct-15	1,666.61	0.017540968	14-Oct-16	1,731.19	0.00314644
14-Oct-15	1,637.88	-0.007128828	13-Oct-16	1,725.76	-0.009225929
13-Oct-15	1,649.64	-0.002913337	12-Oct-16	1,741.83	-0.00405393
12-Oct-15	1,654.46	0.010357252	11-Oct-16	1,748.92	-0.011876109
9-Oct-15	1,637.50	-0.002667674	7-Oct-16	1,769.94	-0.003933751
8-Oct-15	1,641.88	-0.012254474	6-Oct-16	1,776.93	0.001042207
7-Oct-15	1,662.25	-0.028002993	5-Oct-16	1,775.08	-0.000788075
6-Oct-15	1,616.97	-0.003156422	4-Oct-16	1,776.48	0.004285149
5-Oct-15	1,622.09	0.014808373	3-Oct-16	1,768.90	0.015121517
2-Oct-15	1,598.42	0.029571468	30-Sep-16	1,742.55	-0.016686229
30-Sep-15	1,552.51	0.01987177	29-Sep-16	1,772.12	0.004893705
29-Sep-15	1,522.26	-0.028464572	28-Sep-16	1,763.49	0.004013801
25-Sep-15	1,566.86	0.001988809	27-Sep-16	1,756.44	0.009854539
24-Sep-15	1,563.75	-0.003320671	26-Sep-16	1,739.30	-0.01543112
23-Sep-15	1,568.96	-0.022661866	23-Sep-16	1,766.56	6.22718E-05
22-Sep-15	1,605.34	0.005310422	22-Sep-16	1,766.45	0.010450869
21-Sep-15	1,596.86	-0.006037745	21-Sep-16	1,748.18	0.002293341
18-Sep-15	1,606.56	-0.009867063	20-Sep-16	1,744.18	-0.003206099
17-Sep-15	1,622.57	-0.005046603	19-Sep-16	1,749.79	0.00682421
16-Sep-15	1,630.80	0.018314424	15-Sep-16	1,737.93	0.003458549

15-Sep-15	1,601.47	-0.004890203	14-Sep-16	1,731.94	-0.002131778
14-Sep-15	1,609.34	0.000547107	13-Sep-16	1,735.64	0.002634194
11-Sep-15	1,608.46	-0.013426565	12-Sep-16	1,731.08	-0.030875083
10-Sep-15	1,630.35	-0.024023035	9-Sep-16	1,786.23	-0.002774676
9-Sep-15	1,670.48	0.039987549	8-Sep-16	1,791.20	0.010840919
8-Sep-15	1,606.25	0.029343911	7-Sep-16	1,771.99	-0.006091371
7-Sep-15	1,560.46	-0.007018817	6-Sep-16	1,782.85	0.008941456
4-Sep-15	1,571.49	0.002635004	5-Sep-16	1,767.05	0.017663184
2-Sep-15	1,567.36	-0.003401771	2-Sep-16	1,736.38	0.000426356
1-Sep-15	1,572.71	-0.023707244	1-Sep-16	1,735.64	0.001142092
31-Aug-15	1,610.90	-0.000787758	31-Aug-16	1,733.66	-0.006418853
28-Aug-15	1,612.17	0.001335387	30-Aug-16	1,744.86	0.008490495
27-Aug-15	1,610.02	0.040770548	29-Aug-16	1,730.17	0.000387395
26-Aug-15	1,546.95	-0.010148387	26-Aug-16	1,729.50	0.005523256
25-Aug-15	1,562.81	0.011193716	25-Aug-16	1,720.00	-0.000430048
24-Aug-15	1,545.51	-0.046511197	24-Aug-16	1,720.74	-0.004195626
21-Aug-15	1,620.90	-0.013877144	23-Aug-16	1,727.99	-0.002067488
20-Aug-15	1,643.71	-0.028568896	22-Aug-16	1,731.57	0.000976946
19-Aug-15	1,692.05	-0.007566204	19-Aug-16	1,729.88	-0.004041683
18-Aug-15	1,704.95	-0.013961101	18-Aug-16	1,736.90	0.007021145
17-Aug-15	1,729.09	-0.006372904	17-Aug-16	1,724.79	-0.003576009
14-Aug-15	1,740.18	-0.002962157	16-Aug-16	1,730.98	0.005594446
13-Aug-15	1,745.35	0.010625362	15-Aug-16	1,721.35	0.004434719
12-Aug-15	1,727.00	-0.016380371	12-Aug-16	1,713.75	0.006135149
11-Aug-15	1,755.76	0.001026249	11-Aug-16	1,703.30	0.000364132
10-Aug-15	1,753.96	-0.000673216	10-Aug-16	1,702.68	0.000205601
7-Aug-15	1,752.78	0.003228133	9-Aug-16	1,702.33	-0.006060571
6-Aug-15	1,747.14	-0.004484305	8-Aug-16	1,712.71	0.014794933
5-Aug-15	1,755.01	0.003763376	5-Aug-16	1,687.74	0.015169742
4-Aug-15	1,748.43	-0.001479138	4-Aug-16	1,662.52	0.000102265
3-Aug-15	1,751.02	-0.010667269	3-Aug-16	1,662.35	-0.018005352
31-Jul-15	1,769.90	0.00565357	2-Aug-16	1,692.83	0
30-Jul-15	1,759.95	5.11404E-05	1-Aug-16	1,692.83	0.007259183
29-Jul-15	1,759.86	-0.000391923	29-Jul-16	1,680.63	-0.013680059
28-Jul-15	1,760.55	0.007929238	28-Jul-16	1,703.94	0.003161483
27-Jul-15	1,746.70	-0.034337493	27-Jul-16	1,698.57	0.002709595
24-Jul-15	1,808.81	-0.007702225	26-Jul-16	1,693.98	0.006990762
23-Jul-15	1,822.85	0.002039425	25-Jul-16	1,682.22	0.002891431
22-Jul-15	1,819.14	-0.050156642	22-Jul-16	1,677.37	-0.004410019

21-Jul-15	1,915.20	0.00265427	21-Jul-16	1,684.80	0.005790699
20-Jul-15	1,910.13	-0.00140108	20-Jul-16	1,675.10	0.011576576
17-Jul-15	1,912.81	0.016003782	19-Jul-16	1,655.93	-0.003850018
16-Jul-15	1,882.68	0.004422772	18-Jul-16	1,662.33	0.003265094
15-Jul-15	1,874.39	-0.00368888	15-Jul-16	1,656.92	0.00330009
14-Jul-15	1,881.33	-0.001703333	14-Jul-16	1,651.47	0.008112662
13-Jul-15	1,884.54	0.008309212	13-Jul-16	1,638.18	-0.001542015
10-Jul-15	1,869.01	0.012519638	12-Jul-16	1,640.71	0.020710206
9-Jul-15	1,845.90	0.04239255	11-Jul-16	1,607.42	0.015176299
8-Jul-15	1,770.83	-0.047126307	8-Jul-16	1,583.39	-0.003988099
7-Jul-15	1,858.41	-0.006293512	7-Jul-16	1,589.73	0.014751503
6-Jul-15	1,870.18	-0.027730411	6-Jul-16	1,566.62	-0.015026532
3-Jul-15	1,923.52	-0.008096039	5-Jul-16	1,590.52	-0.013159772
2-Jul-15	1,939.22	-0.000819246	4-Jul-16	1,611.73	0.013055011
30-Jun-15	1,940.81	0.011028109	30-Jun-16	1,590.96	0.014979457
29-Jun-15	1,919.64	-0.020511879	29-Jun-16	1,567.48	0.019771126
26-Jun-15	1,959.84	-0.014660633	28-Jun-16	1,537.09	0.002713757
25-Jun-15	1,989.00	-0.008395485	27-Jun-16	1,532.93	0.0045742
24-Jun-15	2,005.84	0.006301172	24-Jun-16	1,525.95	-0.016936814
23-Jun-15	1,993.28	0.004242113	23-Jun-16	1,552.24	-0.004636191
22-Jun-15	1,984.86	0.010132573	22-Jun-16	1,559.47	0.0083932
19-Jun-15	1,964.95	0.004714352	21-Jun-16	1,546.49	0.008608939
18-Jun-15	1,955.73	7.15896E-05	20-Jun-16	1,533.29	0.006023187
17-Jun-15	1,955.59	0.003855078	17-Jun-16	1,524.11	0.008316022
16-Jun-15	1,948.08	-0.007104922	16-Jun-16	1,511.54	-0.017306392
15-Jun-15	1,962.02	-0.013271911	15-Jun-16	1,538.16	0.007684597
12-Jun-15	1,988.41	0.011090206	14-Jun-16	1,526.43	-0.00872801
11-Jun-15	1,966.60	0.005465487	13-Jun-16	1,539.87	-0.023699477
10-Jun-15	1,955.91	-0.006683358	10-Jun-16	1,577.25	-0.009196615
9-Jun-15	1,969.07	-0.009153307	8-Jun-16	1,591.89	-0.003193508
8-Jun-15	1,987.26	-0.010136431	7-Jun-16	1,596.99	0.017042089
5-Jun-15	2,007.61	-0.01094673	6-Jun-16	1,570.23	0.006222285
4-Jun-15	2,029.83	-0.014234098	3-Jun-16	1,560.52	0.003904918
3-Jun-15	2,059.14	0.028233297	2-Jun-16	1,554.45	0.002017637
2-Jun-15	2,002.60	-0.002932551	1-Jun-16	1,551.32	-0.003603245
1-Jun-15	2,008.49	0.006802278	31-May-16	1,556.93	0.009040947
29-May-15	1,994.92	-0.001996088	30-May-16	1,542.98	0.003551173
28-May-15	1,998.91	-0.011702875	27-May-16	1,537.52	0.009812292
27-May-15	2,022.58	-0.003768046	26-May-16	1,522.58	-0.001429733

26-May-15	2,030.23	-0.002951518	25-May-16	1,524.76	0.021306809
22-May-15	2,036.24	0.010310301	24-May-16	1,492.95	0.000355128
21-May-15	2,015.46	-0.002484558	23-May-16	1,492.42	-0.004402877
20-May-15	2,020.48	-0.039650173	20-May-16	1,499.02	0.007196081
19-May-15	2,103.90	0.003433968	19-May-16	1,488.31	-0.012172701
18-May-15	2,096.70	-0.000767284	18-May-16	1,506.65	-0.01565389
15-May-15	2,098.31	0.011853038	17-May-16	1,530.61	0.008247205
14-May-15	2,073.73	0.001371391	16-May-16	1,518.09	0.012464986
13-May-15	2,070.89	-0.000608064	13-May-16	1,499.40	-0.006868596
12-May-15	2,072.15	-0.005337762	12-May-16	1,509.77	-0.004831587
11-May-15	2,083.27	0.006396043	11-May-16	1,517.10	-0.005545505
8-May-15	2,070.03	0.004825032	10-May-16	1,525.56	0.006804158
7-May-15	2,060.09	-0.018032146	9-May-16	1,515.25	0.004281577
6-May-15	2,097.92	-0.003623756	6-May-16	1,508.79	-0.013217789
5-May-15	2,105.55	-0.008798441	5-May-16	1,529.00	-0.00649127
4-May-15	2,124.24	0.002387716	4-May-16	1,538.99	0.000552615
30-Apr-15	2,119.18	-0.007209883	3-May-16	1,538.14	-0.01270909
29-Apr-15	2,134.57	-0.003091739	29-Apr-16	1,557.94	-0.014192879
28-Apr-15	2,141.19	-0.001054375	28-Apr-16	1,580.37	0.00193366
27-Apr-15	2,143.45	0.006333452	27-Apr-16	1,577.32	-0.008722976
24-Apr-15	2,129.96	-0.001242609	26-Apr-16	1,591.20	0.003360931
23-Apr-15	2,132.61	0.00797357	25-Apr-16	1,585.87	-0.008756907
22-Apr-15	2,115.74	0.00192264	22-Apr-16	1,599.88	-0.009239534
21-Apr-15	2,111.68	0.017201597	21-Apr-16	1,614.80	0.015156944
20-Apr-15	2,075.97	-0.01907075	20-Apr-16	1,590.69	-0.017121849
17-Apr-15	2,116.33	-0.003179343	19-Apr-16	1,618.40	0.00529232
16-Apr-15	2,123.08	0.006747754	18-Apr-16	1,609.88	-0.005590112
15-Apr-15	2,108.85	-0.003482625	15-Apr-16	1,618.93	0.001844116
14-Apr-15	2,116.22	-0.01665838	14-Apr-16	1,615.95	0.000935309
13-Apr-15	2,152.07	0.013692887	13-Apr-16	1,614.44	0.025803295
10-Apr-15	2,123.00	0.008503159	12-Apr-16	1,573.83	0.003961419
9-Apr-15	2,105.10	0.020624855	11-Apr-16	1,567.62	0.004176542
8-Apr-15	2,062.56	0.026930947	8-Apr-16	1,561.10	0.00043578
2-Apr-15	2,008.47	0.007443708	7-Apr-16	1,560.42	0.008531431
1-Apr-15	1,993.63	0.010015908	6-Apr-16	1,547.22	0.007081766
31-Mar-15	1,973.86	0.008888457	5-Apr-16	1,536.34	-0.009483898
30-Mar-15	1,956.47	0.015272127	1-Apr-16	1,551.05	-0.00962883
27-Mar-15	1,927.04	0.004200148	31-Mar-16	1,566.13	0.002015381
26-Mar-15	1,918.98	0.000234555	30-Mar-16	1,562.98	0.020115393

25-Mar-15	1,918.53	0.004508042	29-Mar-16	1,532.16	0.001706384
24-Mar-15	1,909.92	0.000288053	24-Mar-16	1,529.55	-0.005461816
23-Mar-15	1,909.37	-0.000868642	23-Mar-16	1,537.95	-0.003589268
20-Mar-15	1,911.03	-0.006374494	22-Mar-16	1,543.49	0.000110152
19-Mar-15	1,923.29	0.019107369	21-Mar-16	1,543.32	0.003217691
18-Mar-15	1,887.23	0.008485852	18-Mar-16	1,538.37	0.008244909
17-Mar-15	1,871.35	-0.003477325	17-Mar-16	1,525.79	0.009354017
16-Mar-15	1,877.88	0.005143796	16-Mar-16	1,511.65	-0.001875219
13-Mar-15	1,868.27	0.000959024	15-Mar-16	1,514.49	-0.009152884
12-Mar-15	1,866.48	-0.00126816	14-Mar-16	1,528.48	0.014219833
11-Mar-15	1,868.85	-0.005941426	11-Mar-16	1,507.05	0.01043252
10-Mar-15	1,880.02	-0.004890804	10-Mar-16	1,491.49	-0.000187696
9-Mar-15	1,889.26	-0.00467302	9-Mar-16	1,491.77	-0.004251939
6-Mar-15	1,898.13	-0.003365642	8-Mar-16	1,498.14	-0.006446222
5-Mar-15	1,904.54	0.00115647	7-Mar-16	1,507.86	-0.000662752
4-Mar-15	1,902.34	0.006199025	4-Mar-16	1,508.86	0.016204203
3-Mar-15	1,890.62	0.000804616	3-Mar-16	1,484.80	-0.002606336
2-Mar-15	1,889.10	0.007176217	2-Mar-16	1,488.68	0.028534317
27-Feb-15	1,875.64	-0.003384679	1-Mar-16	1,447.38	0.017533253
26-Feb-15	1,882.01	0.005476129	29-Feb-16	1,422.44	-0.01607548
25-Feb-15	1,871.76	0.002173797	26-Feb-16	1,445.68	0.022426218
24-Feb-15	1,867.70	0.000294567	25-Feb-16	1,413.97	-0.01862841
23-Feb-15	1,867.15	0.003153744	24-Feb-16	1,440.81	-0.008130137
18-Feb-15	1,861.28	0.001576667	23-Feb-16	1,452.62	-0.003143014
17-Feb-15	1,858.35	-0.001075067	22-Feb-16	1,457.20	0.007780352
16-Feb-15	1,860.35	-0.001480405	19-Feb-16	1,445.95	0.00015909
13-Feb-15	1,857.60	0.010218565	18-Feb-16	1,445.72	0.021493676
12-Feb-15	1,838.81	-0.003095656	17-Feb-16	1,415.30	-0.007969608
11-Feb-15	1,844.52	-0.005424409	16-Feb-16	1,426.67	0.007193889
10-Feb-15	1,854.58	0.004805739	15-Feb-16	1,416.48	0.026903586
9-Feb-15	1,845.71	-0.008892373	12-Feb-16	1,379.37	-0.005615791
6-Feb-15	1,862.27	0.002621945	11-Feb-16	1,387.16	-0.031684758
5-Feb-15	1,857.40	-0.002245404	5-Feb-16	1,432.55	0.000286285
4-Feb-15	1,861.58	0.004370158	4-Feb-16	1,432.14	0.01219176
3-Feb-15	1,853.48	0.003448631	3-Feb-16	1,414.89	-0.022663535
2-Feb-15	1,847.11	0.000395368	2-Feb-16	1,447.70	-0.00275539
30-Jan-15	1,846.38	-2.70793E-05	1-Feb-16	1,451.70	0.001642149
29-Jan-15	1,846.43	-0.00243121	29-Jan-16	1,449.32	0.022996457
28-Jan-15	1,850.93	0.001531302	28-Jan-16	1,416.74	0.009613397

27-Jan-15	1,848.10	0.001815964	27-Jan-16	1,403.25	0.006635581
26-Jan-15	1,844.75	0.006020581	26-Jan-16	1,394.00	-0.020730448
23-Jan-15	1,833.71	0.013833216	25-Jan-16	1,423.51	0.013549499
22-Jan-15	1,808.69	-0.000127148	22-Jan-16	1,404.48	0.034683955
21-Jan-15	1,808.92	0.012425002	21-Jan-16	1,357.40	-0.01661197
20-Jan-15	1,786.72	0.005305831	20-Jan-16	1,380.33	-0.039302617
19-Jan-15	1,777.29	-0.001544909	19-Jan-16	1,436.80	0.017268357
16-Jan-15	1,780.04	-0.013407382	18-Jan-16	1,412.41	-0.009321737
15-Jan-15	1,804.23	0.006527087	15-Jan-16	1,425.70	-0.01191359
14-Jan-15	1,792.53	-0.007068116	14-Jan-16	1,442.89	-0.011014695
13-Jan-15	1,805.29	0.00596797	13-Jan-16	1,458.96	0.016349818
12-Jan-15	1,794.58	0.011076556	12-Jan-16	1,435.49	-0.009460392
9-Jan-15	1,774.92	0.005438108	11-Jan-16	1,449.20	-0.026592065
8-Jan-15	1,765.32	0.011952054	8-Jan-16	1,488.79	-0.000443117
7-Jan-15	1,744.47	0.006734765	7-Jan-16	1,489.45	-0.026865808
6-Jan-15	1,732.80	-0.002211166	6-Jan-16	1,530.57	-0.007618393
5-Jan-15	1,736.64	-0.00294528	5-Jan-16	1,542.32	-0.008186232
2-Jan-15	1,741.77	0	4-Jan-16	1,555.05	-0.024710715
Average		-0.000277806	Average		5.66876E-05
Stadev		0.012647133	Stadev		0.011164281

Return Saham Syariah China tahun 2017-2018

(Lanjutan)

Periode	Close price 2017	Return 2017	Periode	Close price 2018	Return 2018
29-Dec-17	2,325.27	0.001680042	31-Dec-18	2,050.52	0.01108958
28-Dec-17	2,321.37	0.008602823	28-Dec-18	2,028.03	0.001036561
27-Dec-17	2,301.57	-0.000560173	27-Dec-18	2,025.93	-0.009189522
22-Dec-17	2,302.86	0.011259343	24-Dec-18	2,044.72	-0.002512354
21-Dec-17	2,277.22	0.004871634	21-Dec-18	2,049.87	0.003957312
20-Dec-17	2,266.18	0.001754921	20-Dec-18	2,041.79	-0.008059736
19-Dec-17	2,262.21	0.009072783	19-Dec-18	2,058.38	-0.003065806
18-Dec-17	2,241.87	0.002105348	18-Dec-18	2,064.71	-0.010817855
15-Dec-17	2,237.16	-0.011068871	17-Dec-18	2,087.29	0.000651987
14-Dec-17	2,262.20	-0.003444904	14-Dec-18	2,085.93	-0.018750676
13-Dec-17	2,270.02	0.002628011	13-Dec-18	2,125.79	0.011707651

12-Dec-17	2,264.07	-0.007012973	12-Dec-18	2,101.19	0.011724543
11-Dec-17	2,280.06	0.011673877	11-Dec-18	2,076.84	0.00227786
8-Dec-17	2,253.75	0.015820431	10-Dec-18	2,072.12	-0.014003949
7-Dec-17	2,218.65	0.010548898	7-Dec-18	2,101.55	0.003984311
6-Dec-17	2,195.49	-0.024326402	6-Dec-18	2,093.21	-0.023907894
5-Dec-17	2,250.23	-0.01149188	5-Dec-18	2,144.48	-0.011281957
4-Dec-17	2,276.39	0.00176467	4-Dec-18	2,168.95	0.004799429
1-Dec-17	2,272.38	-0.00553168	3-Dec-18	2,158.59	0.019347192
30-Nov-17	2,285.02	-0.021672861	30-Nov-18	2,117.62	0.001054179
29-Nov-17	2,335.64	-0.006567195	29-Nov-18	2,115.39	-0.008414036
28-Nov-17	2,351.08	0.011073697	28-Nov-18	2,133.34	0.015832655
27-Nov-17	2,325.33	-0.006231009	27-Nov-18	2,100.09	-0.006128611
24-Nov-17	2,339.91	0.004304943	26-Nov-18	2,113.04	0.018494508
23-Nov-17	2,329.88	-0.010738078	23-Nov-18	2,074.67	-0.002936399
22-Nov-17	2,355.17	-0.000704336	22-Nov-18	2,080.78	0.001361919
21-Nov-17	2,356.83	0.009863699	21-Nov-18	2,077.95	0.00433547
20-Nov-17	2,333.81	0.005969931	20-Nov-18	2,068.98	-0.018025971
17-Nov-17	2,319.96	0.005277799	19-Nov-18	2,106.96	0.006895958
16-Nov-17	2,307.78	0.005564246	16-Nov-18	2,092.53	-0.000253218
15-Nov-17	2,295.01	-0.009028809	15-Nov-18	2,093.06	0.019299416
14-Nov-17	2,315.92	-0.00321513	14-Nov-18	2,053.43	-0.005043996
13-Nov-17	2,323.39	0.003988488	13-Nov-18	2,063.84	0.01012652
10-Nov-17	2,314.16	0.001727146	12-Nov-18	2,043.15	-0.000513648
9-Nov-17	2,310.17	0.008200299	9-Nov-18	2,044.20	-0.02424821
8-Nov-17	2,291.38	0.004709204	8-Nov-18	2,095.00	0.003573584
7-Nov-17	2,280.64	0.015346123	7-Nov-18	2,087.54	-0.0014828
6-Nov-17	2,246.17	0.010536498	6-Nov-18	2,090.64	0.007731611
3-Nov-17	2,222.75	0.003748109	5-Nov-18	2,074.60	-0.021825743
2-Nov-17	2,214.45	-0.002540438	2-Nov-18	2,120.89	0.045979109
1-Nov-17	2,220.09	0.010459194	1-Nov-18	2,027.66	0.018612385
31-Oct-17	2,197.11	0.00495362	31-Oct-18	1,990.61	0.021181745
30-Oct-17	2,186.28	0.001520871	30-Oct-18	1,949.32	-0.00968309
27-Oct-17	2,182.96	-0.000293094	29-Oct-18	1,968.38	-0.004304741
26-Oct-17	2,183.60	-0.00317727	26-Oct-18	1,976.89	-0.017840819
25-Oct-17	2,190.56	0.004217552	25-Oct-18	2,012.80	-0.011326909
24-Oct-17	2,181.36	-0.010074607	24-Oct-18	2,035.86	-0.001216676
23-Oct-17	2,203.56	0.000708447	23-Oct-18	2,038.34	-0.031294702
20-Oct-17	2,202.00	0.013994225	22-Oct-18	2,104.19	0.021788746
19-Oct-17	2,171.61	-0.010205105	19-Oct-18	2,059.32	0.000748379

18-Oct-17	2,194.00	-0.00543971	18-Oct-18	2,057.78	0.001075128
17-Oct-17	2,206.00	0.00074852	16-Oct-18	2,055.57	0.002986167
16-Oct-17	2,204.35	0.007771962	15-Oct-18	2,049.45	-0.014602225
13-Oct-17	2,187.35	0.000727436	12-Oct-18	2,079.82	0.019479628
12-Oct-17	2,185.76	-0.001251999	11-Oct-18	2,040.08	-0.032880765
11-Oct-17	2,188.50	-0.003660302	10-Oct-18	2,109.44	0.001552581
10-Oct-17	2,196.54	0.001947753	9-Oct-18	2,106.17	-0.003873513
9-Oct-17	2,192.27	-0.003228197	8-Oct-18	2,114.36	-0.014670246
6-Oct-17	2,199.37	0.005086279	5-Oct-18	2,145.84	-0.001549435
4-Oct-17	2,188.24	0.000681376	4-Oct-18	2,149.17	-0.020044411
3-Oct-17	2,186.75	0.015416405	3-Oct-18	2,193.13	0.001717389
29-Sep-17	2,153.55	0.005622201	2-Oct-18	2,189.37	-0.024057878
28-Sep-17	2,141.51	-0.007609144	28-Sep-18	2,243.34	-0.000236199
27-Sep-17	2,157.93	0.010579112	27-Sep-18	2,243.87	-0.003641095
26-Sep-17	2,135.34	0.000595107	26-Sep-18	2,252.07	0.010105223
25-Sep-17	2,134.07	-0.016870212	24-Sep-18	2,229.54	-0.01893451
22-Sep-17	2,170.69	-0.008450614	21-Sep-18	2,272.57	0.009358206
21-Sep-17	2,189.19	-0.001240927	20-Sep-18	2,251.50	0.004923074
20-Sep-17	2,191.91	0.004058542	19-Sep-18	2,240.47	0.009570887
19-Sep-17	2,183.05	-0.002777359	18-Sep-18	2,219.23	0.006006401
18-Sep-17	2,189.13	0.00976494	17-Sep-18	2,205.98	-0.016785224
15-Sep-17	2,167.96	0.001418086	14-Sep-18	2,243.64	0.00963901
14-Sep-17	2,164.89	-0.001176503	13-Sep-18	2,222.22	0.019381001
13-Sep-17	2,167.44	0.002669233	12-Sep-18	2,179.97	-0.005909901
12-Sep-17	2,161.67	0.004414149	11-Sep-18	2,192.93	-0.00474723
11-Sep-17	2,152.17	0.006754829	10-Sep-18	2,203.39	-0.009396257
8-Sep-17	2,137.73	0.005309343	7-Sep-18	2,224.29	0.003152483
7-Sep-17	2,126.44	-0.001451024	6-Sep-18	2,217.30	-0.005467618
6-Sep-17	2,129.53	-0.000924232	5-Sep-18	2,229.49	-0.025461809
5-Sep-17	2,131.50	-0.00029079	4-Sep-18	2,287.74	0.008134739
4-Sep-17	2,132.12	-0.006389136	3-Sep-18	2,269.28	-0.006618806
1-Sep-17	2,145.83	0.003282199	31-Aug-18	2,284.40	-0.006190644
31-Aug-17	2,138.81	-0.000345867	30-Aug-18	2,298.63	-0.010064599
30-Aug-17	2,139.55	0.010895398	29-Aug-18	2,322.00	0.003487573
29-Aug-17	2,116.49	-0.001127954	28-Aug-18	2,313.93	0.004680546
28-Aug-17	2,118.88	-0.001667907	27-Aug-18	2,303.15	0.021878217
25-Aug-17	2,122.42	0.00394023	24-Aug-18	2,253.84	-0.002231194
24-Aug-17	2,114.09	0.008034369	23-Aug-18	2,258.88	-0.001396969
23-Aug-17	2,097.24	0.000104911	22-Aug-18	2,262.04	0.002668416

22-Aug-17	2,097.02	0.002514629	21-Aug-18	2,256.02	0.009003126
21-Aug-17	2,091.76	0.002814146	20-Aug-18	2,235.89	0.013609143
18-Aug-17	2,085.89	-0.008107697	17-Aug-18	2,205.87	0.004563153
17-Aug-17	2,102.94	0.003023944	16-Aug-18	2,195.85	-0.001968021
16-Aug-17	2,096.60	0.010619068	15-Aug-18	2,200.18	-0.014061912
15-Aug-17	2,074.57	-0.005836828	14-Aug-18	2,231.56	-0.015667731
14-Aug-17	2,086.75	0.016147332	13-Aug-18	2,267.08	-0.012750614
11-Aug-17	2,053.59	-0.018308802	10-Aug-18	2,296.36	-0.007507358
10-Aug-17	2,091.89	0.002756287	9-Aug-18	2,313.73	0.008939356
9-Aug-17	2,086.14	0.002368814	8-Aug-18	2,293.23	0.003079359
8-Aug-17	2,081.21	0.005988921	7-Aug-18	2,286.19	0.018528914
7-Aug-17	2,068.82	0.010146286	6-Aug-18	2,244.60	0.001673472
4-Aug-17	2,048.04	0.009423733	3-Aug-18	2,240.85	-0.005207362
3-Aug-17	2,028.92	-0.005285091	2-Aug-18	2,252.58	-0.020314967
2-Aug-17	2,039.70	0.000966762	1-Aug-18	2,299.29	-0.00560063
1-Aug-17	2,037.73	0.000874285	31-Jul-18	2,312.24	-0.003739896
31-Jul-17	2,035.95	0.008075697	30-Jul-18	2,320.92	-0.005250368
28-Jul-17	2,019.64	-0.003498246	27-Jul-18	2,333.17	0.002121784
27-Jul-17	2,026.73	0.006750648	26-Jul-18	2,328.23	-0.005484672
26-Jul-17	2,013.14	-0.004504883	25-Jul-18	2,341.07	0.00585622
25-Jul-17	2,022.25	-0.003660676	24-Jul-18	2,327.44	0.007925028
24-Jul-17	2,029.68	0.007840547	23-Jul-18	2,309.14	-0.004818301
21-Jul-17	2,013.89	-0.001685429	20-Jul-18	2,320.32	0.004389268
20-Jul-17	2,017.29	-0.000505373	19-Jul-18	2,310.18	-0.005728452
19-Jul-17	2,018.31	0.011653785	18-Jul-18	2,323.49	0.00090463
18-Jul-17	1,995.06	0.009487378	17-Jul-18	2,321.39	-0.013190672
17-Jul-17	1,976.31	0.002694064	16-Jul-18	2,352.42	9.77812E-05
14-Jul-17	1,971.00	0.001707629	13-Jul-18	2,352.19	0.006896168
13-Jul-17	1,967.64	0.013996537	12-Jul-18	2,336.08	0.005046572
12-Jul-17	1,940.48	0.003049758	11-Jul-18	2,324.35	-0.009865773
11-Jul-17	1,934.58	0.008654939	10-Jul-18	2,347.51	-0.009326429
10-Jul-17	1,917.98	0.002639929	9-Jul-18	2,369.61	0.021079937
7-Jul-17	1,912.93	-0.000365797	6-Jul-18	2,320.69	0.008579065
6-Jul-17	1,913.63	0.003524026	5-Jul-18	2,300.95	0.003068996
5-Jul-17	1,906.91	0.0017967	4-Jul-18	2,293.91	-0.012148382
4-Jul-17	1,903.49	-0.016467221	3-Jul-18	2,322.12	-0.012191698
3-Jul-17	1,935.36	0.000739427	29-Jun-18	2,350.78	0.022852071
30-Jun-17	1,933.93	-0.007314519	28-Jun-18	2,298.26	0.004036662
29-Jun-17	1,948.18	0.004035354	27-Jun-18	2,289.02	-0.019519487

28-Jun-17	1,940.35	-0.007605282	26-Jun-18	2,334.59	0.002757531
27-Jun-17	1,955.22	9.20697E-05	25-Jun-18	2,328.17	-0.01089718
26-Jun-17	1,955.04	0.003026976	22-Jun-18	2,353.82	0.00478955
23-Jun-17	1,949.14	-0.00022569	21-Jun-18	2,342.60	-0.011481933
22-Jun-17	1,949.58	0.002030191	20-Jun-18	2,369.81	0.01056272
21-Jun-17	1,945.63	-0.002450767	19-Jun-18	2,345.04	-0.026982619
20-Jun-17	1,950.41	-0.001954734	15-Jun-18	2,410.07	-0.006382058
19-Jun-17	1,954.23	0.009546687	14-Jun-18	2,425.55	-0.010310835
16-Jun-17	1,935.75	0.00044447	13-Jun-18	2,450.82	-0.012817001
15-Jun-17	1,934.89	-0.008988753	12-Jun-18	2,482.64	0.007724437
14-Jun-17	1,952.44	0.000271529	11-Jun-18	2,463.61	0.00230681
13-Jun-17	1,951.91	0.005377369	8-Jun-18	2,457.94	-0.017334986
12-Jun-17	1,941.47	-0.011894098	7-Jun-18	2,501.30	0.005790341
9-Jun-17	1,964.84	0.000458262	6-Jun-18	2,486.90	0.00801336
8-Jun-17	1,963.94	0.00711773	5-Jun-18	2,467.13	0.002609003
7-Jun-17	1,950.06	0.004812647	4-Jun-18	2,460.71	0.015542395
6-Jun-17	1,940.72	0.000381447	1-Jun-18	2,423.05	0.002818429
5-Jun-17	1,939.98	-0.000293731	31-May-18	2,416.24	0.015598139
2-Jun-17	1,940.55	0.000799381	30-May-18	2,379.13	-0.01053459
1-Jun-17	1,939.00	0.007471605	29-May-18	2,404.46	-0.008735803
31-May-17	1,924.62	0.003906882	28-May-18	2,425.65	0.007070439
29-May-17	1,917.13	0.001687653	25-May-18	2,408.62	-0.003965743
26-May-17	1,913.90	-0.001189867	24-May-18	2,418.21	0.004481977
25-May-17	1,916.18	0.006740747	23-May-18	2,407.42	-0.009793397
24-May-17	1,903.35	1.57619E-05	21-May-18	2,431.23	0.004731835
23-May-17	1,903.32	-0.001667978	18-May-18	2,419.78	-0.00073919
22-May-17	1,906.50	0.00996456	17-May-18	2,421.57	0.002446536
19-May-17	1,887.69	0.001389869	16-May-18	2,415.66	-0.00120732
18-May-17	1,885.07	-0.00564939	15-May-18	2,418.58	-0.011460709
17-May-17	1,895.78	0.004770031	14-May-18	2,446.62	0.011857152
16-May-17	1,886.78	-0.000127185	11-May-18	2,417.95	0.006577441
15-May-17	1,887.02	0.001911416	10-May-18	2,402.15	0.005416016
12-May-17	1,883.42	0.000329297	9-May-18	2,389.21	0.006674054
11-May-17	1,882.80	0.00072817	8-May-18	2,373.37	0.013035517
10-May-17	1,881.43	0.00137318	7-May-18	2,342.83	0.006776791
9-May-17	1,878.85	0.010259333	4-May-18	2,327.06	-0.003178438
8-May-17	1,859.77	0.008109236	3-May-18	2,334.48	-0.010209619
5-May-17	1,844.81	-0.004339261	2-May-18	2,358.56	-0.002254758
4-May-17	1,852.85	-0.002530215	30-Apr-18	2,363.89	0.009514821

2-May-17	1,857.55	0.005472438	27-Apr-18	2,341.61	0.01284214
28-Apr-17	1,847.44	0.001002389	26-Apr-18	2,311.92	-0.008950617
27-Apr-17	1,845.59	0.001329253	25-Apr-18	2,332.80	-0.010229495
26-Apr-17	1,843.14	-0.000157315	24-Apr-18	2,356.91	0.012862165
25-Apr-17	1,843.43	0.00881619	23-Apr-18	2,326.98	-0.011566513
24-Apr-17	1,827.32	-0.000634407	20-Apr-18	2,354.21	-0.012437811
21-Apr-17	1,828.48	0.00193979	19-Apr-18	2,383.86	0.011915324
20-Apr-17	1,824.94	0.011131119	18-Apr-18	2,355.79	0.001330409
19-Apr-17	1,804.85	0.004396338	17-Apr-18	2,352.66	-0.011865211
18-Apr-17	1,796.95	-0.010740671	16-Apr-18	2,380.91	-0.008288869
13-Apr-17	1,816.46	-0.001500668	13-Apr-18	2,400.81	-0.006649068
12-Apr-17	1,819.19	0.012754136	12-Apr-18	2,416.88	-9.5155E-05
11-Apr-17	1,796.28	-0.005448143	11-Apr-18	2,417.11	-0.004583567
10-Apr-17	1,806.12	-0.004667721	10-Apr-18	2,428.24	0.01236565
7-Apr-17	1,814.59	-0.002320198	9-Apr-18	2,398.58	0.015280553
6-Apr-17	1,818.81	-0.005984391	6-Apr-18	2,362.48	0.014309941
5-Apr-17	1,829.76	0.010074468	4-Apr-18	2,329.15	-0.020505402
3-Apr-17	1,811.51	0.010706793	3-Apr-18	2,377.91	0.008875727
31-Mar-17	1,792.32	-0.006936903	29-Mar-18	2,356.99	0.006546638
30-Mar-17	1,804.84	-0.002602857	28-Mar-18	2,341.66	-0.027291307
29-Mar-17	1,809.55	-0.002062549	27-Mar-18	2,407.36	0.013079267
28-Mar-17	1,813.29	0.007439302	26-Mar-18	2,376.28	0.010151335
27-Mar-17	1,799.90	-0.005591098	23-Mar-18	2,352.40	-0.02575996
24-Mar-17	1,810.02	0.003070137	22-Mar-18	2,414.60	-0.011960734
23-Mar-17	1,804.48	0.001098474	21-Mar-18	2,443.83	-0.004424184
22-Mar-17	1,802.50	-0.005012199	20-Mar-18	2,454.69	0.014246698
21-Mar-17	1,811.58	0.000182195	19-Mar-18	2,420.21	-0.000107417
20-Mar-17	1,811.25	0.010719627	16-Mar-18	2,420.47	6.61072E-05
17-Mar-17	1,792.04	0.003151572	15-Mar-18	2,420.31	0.001125087
16-Mar-17	1,786.41	0.020211077	14-Mar-18	2,417.59	-0.002129811
15-Mar-17	1,751.02	-0.000245511	13-Mar-18	2,422.75	-0.002474514
14-Mar-17	1,751.45	-0.001254526	12-Mar-18	2,428.76	0.013482443
13-Mar-17	1,753.65	0.011291355	9-Mar-18	2,396.45	0.010785025
10-Mar-17	1,734.07	0.004000787	8-Mar-18	2,370.88	0.019650007
9-Mar-17	1,727.16	-0.009780876	7-Mar-18	2,325.19	-0.007559008
8-Mar-17	1,744.22	0.003382537	6-Mar-18	2,342.90	0.015213689
7-Mar-17	1,738.34	0.001036544	5-Mar-18	2,307.79	-0.021442867
6-Mar-17	1,736.54	0.004506146	2-Mar-18	2,358.36	-0.01234175
3-Mar-17	1,728.75	-0.00528787	1-Mar-18	2,387.83	0.005427506

2-Mar-17	1,737.94	-0.000281864	28-Feb-18	2,374.94	-0.010470528
1-Mar-17	1,738.43	0.003324349	27-Feb-18	2,400.07	-0.005902283
28-Feb-17	1,732.67	-0.008940113	26-Feb-18	2,414.32	0.011470753
27-Feb-17	1,748.30	0	23-Feb-18	2,386.94	0.007738716
24-Feb-17	1,748.30	-0.00769078	22-Feb-18	2,368.61	-0.009277268
23-Feb-17	1,761.85	-0.004351389	21-Feb-18	2,390.79	0.013914452
22-Feb-17	1,769.55	0.010316989	20-Feb-18	2,357.98	0.005912667
21-Feb-17	1,751.48	-0.000633348	15-Feb-18	2,344.12	0.012172216
20-Feb-17	1,752.59	0.007727913	14-Feb-18	2,315.93	0.013150354
17-Feb-17	1,739.15	-0.00239771	13-Feb-18	2,285.87	0.012912488
16-Feb-17	1,743.33	0.002155693	12-Feb-18	2,256.73	0.00648922
15-Feb-17	1,739.58	0.003617356	9-Feb-18	2,242.18	-0.024290688
14-Feb-17	1,733.31	-0.000870407	8-Feb-18	2,298.00	0.007969892
13-Feb-17	1,734.82	0.005908514	7-Feb-18	2,279.83	-0.00272085
10-Feb-17	1,724.63	-0.002111926	6-Feb-18	2,286.05	-0.041609022
9-Feb-17	1,728.28	0.001918874	5-Feb-18	2,385.30	-0.014876183
8-Feb-17	1,724.97	0.005643361	2-Feb-18	2,421.32	0.002338896
7-Feb-17	1,715.29	0.002015375	1-Feb-18	2,415.67	-0.006779982
6-Feb-17	1,711.84	0.009827865	31-Jan-18	2,432.16	0.003846725
3-Feb-17	1,695.18	0.001364547	30-Jan-18	2,422.84	-0.006674538
2-Feb-17	1,692.87	-0.003590411	29-Jan-18	2,439.12	-0.007620481
1-Feb-17	1,698.97	0.000512337	26-Jan-18	2,457.85	0.006276305
27-Jan-17	1,698.10	-0.000812013	25-Jan-18	2,442.52	-0.006782694
26-Jan-17	1,699.48	0.012825097	24-Jan-18	2,459.20	-0.000743591
25-Jan-17	1,677.96	0.003324564	23-Jan-18	2,461.03	0.00803634
24-Jan-17	1,672.40	0.00321528	22-Jan-18	2,441.41	0.00928502
23-Jan-17	1,667.04	0.000390065	19-Jan-18	2,418.95	0.008135265
20-Jan-17	1,666.39	-0.005288763	18-Jan-18	2,399.43	6.25188E-05
19-Jan-17	1,675.25	-0.003100342	17-Jan-18	2,399.28	0.001653224
18-Jan-17	1,680.46	0.01447648	16-Jan-18	2,395.32	0.010235971
17-Jan-17	1,656.48	0.007284889	15-Jan-18	2,371.05	-0.010962195
16-Jan-17	1,644.50	-0.00742395	12-Jan-18	2,397.33	0.005380583
13-Jan-17	1,656.80	0.002723476	11-Jan-18	2,384.50	-0.002263684
12-Jan-17	1,652.30	-0.007359346	10-Jan-18	2,389.91	-0.003768315
11-Jan-17	1,664.55	0.007517568	9-Jan-18	2,398.95	0.004434005
10-Jan-17	1,652.13	0.012992507	8-Jan-18	2,388.36	0.002017998
9-Jan-17	1,630.94	0.002458603	5-Jan-18	2,383.55	0.000260184
6-Jan-17	1,626.94	0.000639646	4-Jan-18	2,382.93	0.00427345
5-Jan-17	1,625.90	0.014690831	3-Jan-18	2,372.79	0.005163941

4-Jan-17	1,602.36	0.002853924	2-Jan-18	2,360.60	0.015193934
3-Jan-17	1,597.80	0.003460425			
Average		0.001557292	Average		-0.000440277
Stadev		0.006791372	Stadev		0.011904823

Return Saham Syariah China tahun 2019

(Lanjutan)

Periode	Close price 2019	Return 2019	Periode	Close price 2019	Return 2019
31-Dec-19	2,301.81	-0.005762046	4-Jul-19	2,284.35	0.002417897
30-Dec-19	2,315.15	0.002411694	3-Jul-19	2,278.84	0.001621871
27-Dec-19	2,309.58	0.011793259	2-Jul-19	2,275.15	0.019245674
24-Dec-19	2,282.66	-0.000162065	28-Jun-19	2,232.19	-0.005214159
23-Dec-19	2,283.03	0.005846433	27-Jun-19	2,243.89	0.010556419
20-Dec-19	2,269.76	0.004723141	26-Jun-19	2,220.45	0.001271628
19-Dec-19	2,259.09	-0.005051617	25-Jun-19	2,217.63	-0.006633997
18-Dec-19	2,270.56	0.001857612	24-Jun-19	2,232.44	0.004404652
17-Dec-19	2,266.35	0.012147467	21-Jun-19	2,222.65	-0.003340657
16-Dec-19	2,239.15	-0.003045428	20-Jun-19	2,230.10	0.010210368
13-Dec-19	2,245.99	0.021745163	19-Jun-19	2,207.56	0.022965709
12-Dec-19	2,198.19	0.012939436	18-Jun-19	2,158.00	0.009406471
11-Dec-19	2,170.11	0.014444585	17-Jun-19	2,137.89	-0.001802265
10-Dec-19	2,139.21	-0.005924831	14-Jun-19	2,141.75	-0.004254033
9-Dec-19	2,151.96	-0.003897462	13-Jun-19	2,150.90	-0.000608677
6-Dec-19	2,160.38	0.012219463	12-Jun-19	2,152.21	-0.014294089
5-Dec-19	2,134.30	0.010410404	11-Jun-19	2,183.42	0.00621679
4-Dec-19	2,112.31	-0.009509563	10-Jun-19	2,169.93	0.01840701
3-Dec-19	2,132.59	0.000929311	6-Jun-19	2,130.71	0.003159134
2-Dec-19	2,130.61	0.002243819	5-Jun-19	2,124.00	0.001277525
29-Nov-19	2,125.84	-0.020810495	4-Jun-19	2,121.29	-0.007982753
28-Nov-19	2,171.02	-0.002499472	3-Jun-19	2,138.36	0.009794014
27-Nov-19	2,176.46	0.002034953	31-May-19	2,117.62	-0.006884585
26-Nov-19	2,172.04	-0.003505102	30-May-19	2,132.30	-0.005758515
25-Nov-19	2,179.68	0.011513456	29-May-19	2,144.65	-0.002669283
22-Nov-19	2,154.87	0.003095586	28-May-19	2,150.39	-0.00046017
21-Nov-19	2,148.22	-0.016062914	27-May-19	2,151.38	-0.004571407

20-Nov-19	2,183.29	-0.006489045	24-May-19	2,161.26	0.00582199
19-Nov-19	2,197.55	0.018667025	23-May-19	2,148.75	-0.01614011
18-Nov-19	2,157.28	0.01135458	22-May-19	2,184.00	-0.00165933
15-Nov-19	2,133.06	-0.001437178	21-May-19	2,187.63	-0.00377972
14-Nov-19	2,136.13	-0.008056727	20-May-19	2,195.93	-0.003467101
13-Nov-19	2,153.48	-0.01576347	17-May-19	2,203.57	-0.011444183
12-Nov-19	2,187.97	0.004434631	16-May-19	2,229.08	-0.001066566
11-Nov-19	2,178.31	-0.023945334	15-May-19	2,231.46	0.000968914
8-Nov-19	2,231.75	-0.006932671	14-May-19	2,229.30	-0.010681779
7-Nov-19	2,247.33	0.005962373	10-May-19	2,253.37	0.00896863
6-Nov-19	2,234.01	-0.002731984	9-May-19	2,233.34	-0.017024498
5-Nov-19	2,240.13	0.002389486	8-May-19	2,272.02	-0.008734577
4-Nov-19	2,234.79	0.01195441	7-May-19	2,292.04	0.006145634
1-Nov-19	2,208.39	0.003070452	6-May-19	2,278.04	-0.0260416
31-Oct-19	2,201.63	0.012387973	3-May-19	2,338.95	0.004453358
30-Oct-19	2,174.69	-0.001602255	2-May-19	2,328.58	0.005136661
29-Oct-19	2,178.18	-0.001919931	30-Apr-19	2,316.68	-0.0094409
28-Oct-19	2,182.37	0.011621008	29-Apr-19	2,338.76	0.006654328
25-Oct-19	2,157.30	0.001494838	26-Apr-19	2,323.30	0.003810791
24-Oct-19	2,154.08	0.006842912	25-Apr-19	2,314.48	-0.009398915
23-Oct-19	2,139.44	-0.010590379	24-Apr-19	2,336.44	-0.004741073
22-Oct-19	2,162.34	0.001440328	23-Apr-19	2,347.57	-0.001514166
21-Oct-19	2,159.23	-0.002923031	18-Apr-19	2,351.13	-0.00513274
18-Oct-19	2,165.56	-0.003827258	17-Apr-19	2,363.26	0.000258185
17-Oct-19	2,173.88	0.005374007	16-Apr-19	2,362.65	0.00113985
16-Oct-19	2,162.26	0.004725639	15-Apr-19	2,359.96	-0.006550145
15-Oct-19	2,152.09	-0.000789306	12-Apr-19	2,375.52	0.000290547
14-Oct-19	2,153.79	0.003260682	11-Apr-19	2,374.83	-0.010091537
11-Oct-19	2,146.79	0.018942702	10-Apr-19	2,399.04	0.000955461
10-Oct-19	2,106.88	0.005848288	9-Apr-19	2,396.75	0.006602185
9-Oct-19	2,094.63	-0.011491378	8-Apr-19	2,381.03	0.003354305
8-Oct-19	2,118.98	0.000854915	4-Apr-19	2,373.07	-0.003096066
4-Oct-19	2,117.17	-0.006303389	3-Apr-19	2,380.44	0.012918709
3-Oct-19	2,130.60	0.007428282	2-Apr-19	2,350.08	0.000549219
2-Oct-19	2,114.89	-0.000628479	1-Apr-19	2,348.79	0.009030102
30-Sep-19	2,116.22	0.002667501	29-Mar-19	2,327.77	0.007483294
27-Sep-19	2,110.59	-0.002099261	28-Mar-19	2,310.48	0.004137404
26-Sep-19	2,115.03	0.004240065	27-Mar-19	2,300.96	0.003287666
25-Sep-19	2,106.10	-0.013947347	26-Mar-19	2,293.42	0.001878451

24-Sep-19	2,135.89	0.00330695	25-Mar-19	2,289.12	-0.01858124
23-Sep-19	2,128.85	-0.007778927	22-Mar-19	2,332.46	0.000557662
20-Sep-19	2,145.54	-0.003094508	21-Mar-19	2,331.16	-0.009997027
19-Sep-19	2,152.20	-0.007690605	20-Mar-19	2,354.70	-0.004199388
18-Sep-19	2,168.88	-0.002460641	19-Mar-19	2,364.63	0.003377647
17-Sep-19	2,174.23	-0.00793477	18-Mar-19	2,356.67	0.016498305
16-Sep-19	2,191.62	-0.004718416	15-Mar-19	2,318.42	0.004802066
13-Sep-19	2,202.01	0.008814488	14-Mar-19	2,307.34	0.001980215
12-Sep-19	2,182.77	0.004579302	13-Mar-19	2,302.78	-0.005347363
11-Sep-19	2,172.82	0.009660646	12-Mar-19	2,315.16	0.014046752
10-Sep-19	2,152.03	-0.003463749	11-Mar-19	2,283.09	0.012138085
9-Sep-19	2,159.51	-0.001525793	8-Mar-19	2,255.71	-0.016271118
6-Sep-19	2,162.81	0.002865582	7-Mar-19	2,293.02	-0.008393768
5-Sep-19	2,156.63	0.000231897	6-Mar-19	2,312.43	0.00324519
4-Sep-19	2,156.13	0.031552306	5-Mar-19	2,304.95	0.003295058
3-Sep-19	2,090.18	-0.005140458	4-Mar-19	2,297.38	0.002959923
2-Sep-19	2,100.98	-0.003920825	1-Mar-19	2,290.60	0.008870449
30-Aug-19	2,109.25	0.003382268	28-Feb-19	2,270.46	-0.008801111
29-Aug-19	2,102.14	0.004333348	27-Feb-19	2,290.62	-0.000833141
28-Aug-19	2,093.07	-0.003380679	26-Feb-19	2,292.53	-0.002619042
27-Aug-19	2,100.17	0.00077673	25-Feb-19	2,298.55	-0.008241106
26-Aug-19	2,098.54	-0.021390499	22-Feb-19	2,317.65	0.008858225
23-Aug-19	2,144.41	0.006609305	21-Feb-19	2,297.30	0.008529899
22-Aug-19	2,130.33	-0.007782808	20-Feb-19	2,277.87	0.011141839
21-Aug-19	2,147.04	-0.000493459	19-Feb-19	2,252.77	-0.007240437
20-Aug-19	2,148.10	0.007608308	18-Feb-19	2,269.20	0.014580232
19-Aug-19	2,131.88	0.014919973	15-Feb-19	2,236.59	-0.016905123
16-Aug-19	2,100.54	0.011703849	14-Feb-19	2,275.05	-0.003469165
15-Aug-19	2,076.24	0.010630841	13-Feb-19	2,282.97	0.011309271
14-Aug-19	2,054.40	0.000667306	12-Feb-19	2,257.44	0.005621832
13-Aug-19	2,053.03	-0.019134481	11-Feb-19	2,244.82	0.010229109
12-Aug-19	2,093.08	-0.003973485	8-Feb-19	2,222.09	-0.00243321
9-Aug-19	2,101.43	-0.002255268	4-Feb-19	2,227.51	0.001699847
8-Aug-19	2,106.18	0.007341582	1-Feb-19	2,223.73	0.001513261
7-Aug-19	2,090.83	0.000823317	31-Jan-19	2,220.37	0.005953163
6-Aug-19	2,089.11	0.000819201	30-Jan-19	2,207.23	0.003541811
5-Aug-19	2,087.40	-0.029883348	29-Jan-19	2,199.44	0.001548241
2-Aug-19	2,151.70	-0.024468756	28-Jan-19	2,196.04	0.001683125
1-Aug-19	2,205.67	-0.006557879	25-Jan-19	2,192.35	0.012567317

31-Jul-19	2,220.23	-0.01206315	24-Jan-19	2,165.14	0.005409823
30-Jul-19	2,247.34	0.003169303	23-Jan-19	2,153.49	0.002052041
29-Jul-19	2,240.24	-0.007337823	22-Jan-19	2,149.08	-0.007930719
26-Jul-19	2,256.80	-0.007773205	21-Jan-19	2,166.26	0.004083525
25-Jul-19	2,274.48	0.006059855	18-Jan-19	2,157.45	0.012165028
24-Jul-19	2,260.78	0.004184138	17-Jan-19	2,131.52	-0.003650676
23-Jul-19	2,251.36	0.005093864	16-Jan-19	2,139.33	0.002107896
22-Jul-19	2,239.95	-0.010705815	15-Jan-19	2,134.83	0.017651826
19-Jul-19	2,264.19	0.010442746	14-Jan-19	2,097.80	-0.012497941
18-Jul-19	2,240.79	-0.007494319	11-Jan-19	2,124.35	0.005933271
17-Jul-19	2,257.71	-0.000447156	10-Jan-19	2,111.82	0.00485818
16-Jul-19	2,258.72	0.004791032	9-Jan-19	2,101.61	0.021895574
15-Jul-19	2,247.95	0.006546278	8-Jan-19	2,056.58	0.002007347
12-Jul-19	2,233.33	-0.004568591	7-Jan-19	2,052.46	0.010322473
11-Jul-19	2,243.58	0.005837099	4-Jan-19	2,031.49	0.022895036
10-Jul-19	2,230.56	0.006170835	3-Jan-19	1,986.02	-0.006518096
9-Jul-19	2,216.88	-0.007929831	2-Jan-19	1,999.05	-0.02510095
8-Jul-19	2,234.60	-0.019189578			
5-Jul-19	2,278.32	-0.002639701	Average		0.000514445
			Stadev		0.009438412

Lampiran 4 Tabel data Closing Price dan return Indeks Indeks DJIMI

Return Saham Syariah Amerika tahun 2015-2016

Periode	Close price 2015	Return 2015	Periode	lose price 2016	Return 2016
31-Dec-15	2,800.01	-0.00794351	30-Dec-16	2,906.62	-0.001840672
30-Dec-15	2,822.43	-0.005661441	29-Dec-16	2,911.98	0.002485575
29-Dec-15	2,838.50	0.009729114	28-Dec-16	2,904.76	-0.004438412
28-Dec-15	2,811.15	-0.002236065	27-Dec-16	2,917.71	0.001775083
25-Dec-15	2,817.45	0.000191699	26-Dec-16	2,912.54	3.43344E-06
24-Dec-15	2,816.91	0.000255665	23-Dec-16	2,912.53	0.000962289
23-Dec-15	2,816.19	0.012406172	22-Dec-16	2,909.73	-0.002283645
22-Dec-15	2,781.68	0.006727975	21-Dec-16	2,916.39	-0.001417551
21-Dec-15	2,763.09	0.003894825	20-Dec-16	2,920.53	0.000483022
18-Dec-15	2,752.37	-0.012524755	19-Dec-16	2,919.12	0.002369326
17-Dec-15	2,787.28	-0.008843767	16-Dec-16	2,912.22	-0.001405881
16-Dec-15	2,812.15	0.011921469	15-Dec-16	2,916.32	-0.00453644
15-Dec-15	2,779.02	0.008305123	14-Dec-16	2,929.61	-0.005796334

14-Dec-15	2,756.13	-0.001025749	13-Dec-16	2,946.69	0.009009102
11-Dec-15	2,758.96	-0.016097857	12-Dec-16	2,920.38	2.73944E-05
10-Dec-15	2,804.10	0.000835189	9-Dec-16	2,920.30	0.005765336
9-Dec-15	2,801.76	-0.005462968	8-Dec-16	2,903.56	0.001569501
8-Dec-15	2,817.15	-0.007734818	7-Dec-16	2,899.01	0.008909275
7-Dec-15	2,839.11	-0.004872047	6-Dec-16	2,873.41	0.002763925
4-Dec-15	2,853.01	0.010040182	5-Dec-16	2,865.49	0.004673651
3-Dec-15	2,824.65	-0.011063457	2-Dec-16	2,852.16	0.000403366
2-Dec-15	2,856.25	-0.007174414	1-Dec-16	2,851.01	-0.007629841
1-Dec-15	2,876.89	0.008497362	30-Nov-16	2,872.93	-0.003254334
30-Nov-15	2,852.65	-0.003333112	29-Nov-16	2,882.31	0.00024292
27-Nov-15	2,862.19	-0.002032761	28-Nov-16	2,881.61	-0.003096286
26-Nov-15	2,868.02	0.002677985	25-Nov-16	2,890.56	0.005230358
25-Nov-15	2,860.36	0.001789686	24-Nov-16	2,875.52	0.000835329
24-Nov-15	2,855.25	3.15219E-05	23-Nov-16	2,873.12	-0.002704007
23-Nov-15	2,855.16	-0.002145878	22-Nov-16	2,880.91	-0.001022935
20-Nov-15	2,861.30	0.002993592	21-Nov-16	2,883.86	0.006491557
19-Nov-15	2,852.76	0.004995455	18-Nov-16	2,865.26	-0.005504804
18-Nov-15	2,838.58	0.009545691	17-Nov-16	2,881.12	0.004599136
17-Nov-15	2,811.74	0.004921425	16-Nov-16	2,867.93	0.000952813
16-Nov-15	2,797.97	0.008074046	15-Nov-16	2,865.20	0.006205378
13-Nov-15	2,775.56	-0.011517504	14-Nov-16	2,847.53	-0.007556087
12-Nov-15	2,807.90	-0.011313261	11-Nov-16	2,869.21	-0.007389546
11-Nov-15	2,840.03	-0.00107278	10-Nov-16	2,890.57	-0.002195428
10-Nov-15	2,843.08	-0.00257156	9-Nov-16	2,896.93	0.001999204
9-Nov-15	2,850.41	-0.009059716	8-Nov-16	2,891.15	0.003317613
6-Nov-15	2,876.47	-0.004698881	7-Nov-16	2,881.59	0.0151734
5-Nov-15	2,890.05	-0.002164816	4-Nov-16	2,838.52	-0.00297157
4-Nov-15	2,896.32	-0.000182957	3-Nov-16	2,846.98	-0.005491319
3-Nov-15	2,896.85	0.003738661	2-Nov-16	2,862.70	-0.005772196
2-Nov-15	2,886.06	0.00751255	1-Nov-16	2,879.32	-0.003592068
30-Oct-15	2,864.54	0.000782587	31-Oct-16	2,889.70	-0.000722736
29-Oct-15	2,862.30	-0.004008602	28-Oct-16	2,891.79	-0.001774292
28-Oct-15	2,873.82	0.010201069	27-Oct-16	2,896.93	-0.004084144
27-Oct-15	2,844.80	-0.003771576	26-Oct-16	2,908.81	-0.002376755
26-Oct-15	2,855.57	-0.001447699	25-Oct-16	2,915.74	-0.004469361
23-Oct-15	2,859.71	0.012347646	24-Oct-16	2,928.83	0.002769846
22-Oct-15	2,824.83	0.011150168	21-Oct-16	2,920.74	-0.001992093
21-Oct-15	2,793.68	-0.003556079	20-Oct-16	2,926.57	-0.00190304
20-Oct-15	2,803.65	-0.00295878	19-Oct-16	2,932.15	0.002047051
19-Oct-15	2,811.97	-0.000653918	18-Oct-16	2,926.16	0.00630713
16-Oct-15	2,813.81	0.002586806	17-Oct-16	2,907.82	-0.003618446
15-Oct-15	2,806.55	0.014722525	14-Oct-16	2,918.38	0.001132044
14-Oct-15	2,765.83	-0.003756853	13-Oct-16	2,915.08	-0.003313081
13-Oct-15	2,776.26	-0.008386493	12-Oct-16	2,924.77	-0.002945378
12-Oct-15	2,799.74	0.000879426	11-Oct-16	2,933.41	-0.011690941
9-Oct-15	2,797.28	0.005893797	10-Oct-16	2,968.11	0.003465343
8-Oct-15	2,780.89	0.005583178	7-Oct-16	2,957.86	-0.004268584
7-Oct-15	2,765.45	0.006782388	6-Oct-16	2,970.54	-0.001512585
6-Oct-15	2,746.82	0.000535451	5-Oct-16	2,975.04	0.001369923
5-Oct-15	2,745.35	0.017440675	4-Oct-16	2,970.97	-0.002608485
2-Oct-15	2,698.29	0.01451297	3-Oct-16	2,978.74	-0.000234943
1-Oct-15	2,659.69	0.00370963	30-Sep-16	2,979.44	0.003817244

30-Sep-15	2,649.86	0.019949731	29-Sep-16	2,968.11	-0.0058115
29-Sep-15	2,598.03	-0.004601462	28-Sep-16	2,985.46	0.003974926
28-Sep-15	2,610.04	-0.020626564	27-Sep-16	2,973.64	0.005266966
25-Sep-15	2,665.01	0.001352666	26-Sep-16	2,958.06	-0.007722034
24-Sep-15	2,661.41	-0.004604072	23-Sep-16	2,981.08	-0.005948808
23-Sep-15	2,673.72	-0.003640781	22-Sep-16	2,998.92	0.010012832
22-Sep-15	2,683.49	-0.016005779	21-Sep-16	2,969.19	0.009341505
21-Sep-15	2,727.14	-0.002071136	20-Sep-16	2,941.71	0.000819923
18-Sep-15	2,732.80	-0.01169561	19-Sep-16	2,939.30	0.002883123
17-Sep-15	2,765.14	0.000307493	16-Sep-16	2,930.85	-0.003674796
16-Sep-15	2,764.29	0.011796959	15-Sep-16	2,941.66	0.00818776
15-Sep-15	2,732.06	0.008434193	14-Sep-16	2,917.77	0.000281116
14-Sep-15	2,709.21	-0.00370685	13-Sep-16	2,916.95	-0.00936652
11-Sep-15	2,719.29	0.001952844	12-Sep-16	2,944.53	0.005336474
10-Sep-15	2,713.99	0.000490294	9-Sep-16	2,928.90	-0.021769625
9-Sep-15	2,712.66	-0.001031133	8-Sep-16	2,994.08	-0.003119746
8-Sep-15	2,715.46	0.017174793	7-Sep-16	3,003.45	0.001056568
7-Sep-15	2,669.61	0.000535946	6-Sep-16	3,000.28	0.006477757
4-Sep-15	2,668.18	-0.015482595	5-Sep-16	2,980.97	0.001693588
3-Sep-15	2,710.14	0.003305926	2-Sep-16	2,975.93	0.00523233
2-Sep-15	2,701.21	0.011397462	1-Sep-16	2,960.44	0.001735859
1-Sep-15	2,670.77	-0.026108804	31-Aug-16	2,955.31	-0.004195083
31-Aug-15	2,742.37	-0.006261664	30-Aug-16	2,967.76	-0.002098184
28-Aug-15	2,759.65	0.005296691	29-Aug-16	2,974.00	-0.000702264
27-Aug-15	2,745.11	0.022322609	26-Aug-16	2,976.09	-0.000114231
26-Aug-15	2,685.17	0.021917506	25-Aug-16	2,976.43	-0.002473348
25-Aug-15	2,627.58	-0.001831029	24-Aug-16	2,983.81	-0.006032806
24-Aug-15	2,632.40	-0.036255734	23-Aug-16	3,001.92	0.003379225
21-Aug-15	2,731.43	-0.028952636	22-Aug-16	2,991.81	-0.000420972
20-Aug-15	2,812.87	-0.016853717	19-Aug-16	2,993.07	-0.002097114
19-Aug-15	2,861.09	-0.010688105	18-Aug-16	2,999.36	0.00370446
18-Aug-15	2,892.00	-0.003064577	17-Aug-16	2,988.29	-0.001560328
17-Aug-15	2,900.89	0.002543606	16-Aug-16	2,992.96	-0.00502977
14-Aug-15	2,893.53	0.001415499	15-Aug-16	3,008.09	0.002823691
13-Aug-15	2,889.44	-6.57524E-05	12-Aug-16	2,999.62	0.000663858
12-Aug-15	2,889.63	-0.003407472	11-Aug-16	2,997.63	0.00539654
11-Aug-15	2,899.51	-0.010176423	10-Aug-16	2,981.54	-0.000673694
10-Aug-15	2,929.32	0.011788518	9-Aug-16	2,983.55	0.003896405
7-Aug-15	2,895.19	-0.003939256	8-Aug-16	2,971.97	-5.0469E-05
6-Aug-15	2,906.64	-0.007576404	5-Aug-16	2,972.12	0.005075902
5-Aug-15	2,928.83	0.004465312	4-Aug-16	2,957.11	0.001812478
4-Aug-15	2,915.81	-0.000726542	3-Aug-16	2,951.76	-0.002625417
3-Aug-15	2,917.93	-0.003966479	2-Aug-16	2,959.53	-0.005233438
31-Jul-15	2,929.55	0.002093431	1-Aug-16	2,975.10	0.000649139
30-Jul-15	2,923.43	-0.00080662	29-Jul-16	2,973.17	0.00546498
29-Jul-15	2,925.79	0.008044955	28-Jul-16	2,957.01	0.00261078
28-Jul-15	2,902.44	0.009270528	27-Jul-16	2,949.31	0.001096372
27-Jul-15	2,875.78	-0.009373095	26-Jul-16	2,946.08	0.001894229
24-Jul-15	2,902.99	-0.011616861	25-Jul-16	2,940.51	-0.001015798
23-Jul-15	2,937.11	-0.001570504	22-Jul-16	2,943.50	0.001391436
22-Jul-15	2,941.73	-0.00846355	21-Jul-16	2,939.41	-0.002656723
21-Jul-15	2,966.84	-0.001900763	20-Jul-16	2,947.24	0.006753272
20-Jul-15	2,972.49	0.001040614	19-Jul-16	2,927.47	-0.002055565

17-Jul-15	2,969.40	0.001713715	18-Jul-16	2,933.50	0.002426189
16-Jul-15	2,964.32	0.00678932	15-Jul-16	2,926.40	-0.002015476
15-Jul-15	2,944.33	-0.00234815	14-Jul-16	2,932.31	0.004917819
14-Jul-15	2,951.26	0.005317391	13-Jul-16	2,917.96	0.000637838
13-Jul-15	2,935.65	0.009890261	12-Jul-16	2,916.10	0.006798071
10-Jul-15	2,906.90	0.013309072	11-Jul-16	2,896.41	0.008064067
9-Jul-15	2,868.72	0.006042455	8-Jul-16	2,873.24	0.010029142
8-Jul-15	2,851.49	-0.012323913	7-Jul-16	2,844.71	0.002724728
7-Jul-15	2,887.07	-0.002353242	6-Jul-16	2,836.98	-0.000957848
6-Jul-15	2,893.88	-0.008041572	5-Jul-16	2,839.70	-0.007895748
3-Jul-15	2,917.34	-0.001693877	4-Jul-16	2,862.30	0.000926687
2-Jul-15	2,922.29	7.87116E-05	1-Jul-16	2,859.65	0.005195316
1-Jul-15	2,922.06	0.005484977	30-Jun-16	2,844.87	0.011423025
30-Jun-15	2,906.12	0.000636993	29-Jun-16	2,812.74	0.020239831
29-Jun-15	2,904.27	-0.020379871	28-Jun-16	2,756.94	0.017366083
26-Jun-15	2,964.69	-0.004051398	27-Jun-16	2,709.88	-0.019821462
25-Jun-15	2,976.75	-0.003087774	24-Jun-16	2,764.68	-0.040008334
24-Jun-15	2,985.97	-0.005048115	23-Jun-16	2,879.90	0.011605769
23-Jun-15	3,001.12	-0.0001799	22-Jun-16	2,846.86	-0.000561707
22-Jun-15	3,001.66	0.00996282	21-Jun-16	2,848.46	0.003137821
19-Jun-15	2,972.05	-0.003487066	20-Jun-16	2,839.55	0.013762942
18-Jun-15	2,982.45	0.010616308	17-Jun-16	2,801.00	0.001974616
17-Jun-15	2,951.12	0.000461054	16-Jun-16	2,795.48	-0.003738458
16-Jun-15	2,949.76	0.004532684	15-Jun-16	2,805.97	0.001867364
15-Jun-15	2,936.45	-0.008003	14-Jun-16	2,800.74	-0.007136096
12-Jun-15	2,960.14	-0.005396143	13-Jun-16	2,820.87	-0.011275692
11-Jun-15	2,976.20	0.00077003	10-Jun-16	2,853.04	-0.01258051
10-Jun-15	2,973.91	0.013965461	9-Jun-16	2,889.39	-0.004722538
9-Jun-15	2,932.95	-0.001123883	8-Jun-16	2,903.10	0.00314097
8-Jun-15	2,936.25	-0.006076095	7-Jun-16	2,894.01	0.005569879
5-Jun-15	2,954.20	-0.006326921	6-Jun-16	2,877.98	0.005488651
4-Jun-15	2,973.01	-0.008428165	3-Jun-16	2,862.27	0.002862549
3-Jun-15	2,998.28	0.003111429	2-Jun-16	2,854.10	0.00140346
2-Jun-15	2,988.98	0.001095217	1-Jun-16	2,850.10	-0.000427872
1-Jun-15	2,985.71	0.000435597	31-May-16	2,851.32	-0.001005539
29-May-15	2,984.41	-0.006339376	30-May-16	2,854.19	0.000336461
28-May-15	3,003.45	-0.001027759	27-May-16	2,853.23	0.003450071
27-May-15	3,006.54	0.007145226	26-May-16	2,843.42	0.002351282
26-May-15	2,985.21	-0.012791471	25-May-16	2,836.75	0.007132561
25-May-15	3,023.89	-8.26681E-05	24-May-16	2,816.66	0.011193762
22-May-15	3,024.14	-0.00301324	23-May-16	2,785.48	-0.000817861
21-May-15	3,033.28	0.003755878	20-May-16	2,787.76	0.007797729
20-May-15	3,021.93	-0.00096864	19-May-16	2,766.19	-0.008164334
19-May-15	3,024.86	-0.003446095	18-May-16	2,788.96	-0.002485774
18-May-15	3,035.32	0.001504573	17-May-16	2,795.91	-0.004550164
15-May-15	3,030.76	0.002450924	16-May-16	2,808.69	0.009488587
14-May-15	3,023.35	0.00859357	13-May-16	2,782.29	-0.007246842
13-May-15	2,997.59	0.00283361	12-May-16	2,802.60	-0.002303253
12-May-15	2,989.12	-0.002802317	11-May-16	2,809.07	-0.00578675
11-May-15	2,997.52	-0.003208997	10-May-16	2,825.42	0.010117549
8-May-15	3,007.17	0.01362092	9-May-16	2,797.12	0.000801466
7-May-15	2,966.76	-0.002313663	6-May-16	2,794.88	0.001627042
6-May-15	2,973.64	-0.001309806	5-May-16	2,790.34	-0.001116894

5-May-15	2,977.54	-0.010053927	4-May-16	2,793.46	-0.009239194
4-May-15	3,007.78	0.001491692	3-May-16	2,819.51	-0.009095414
1-May-15	3,003.30	0.006717484	2-May-16	2,845.39	0.003123535
30-Apr-15	2,983.26	-0.0107964	29-Apr-16	2,836.53	-0.004984671
29-Apr-15	3,015.82	-0.004673298	28-Apr-16	2,850.74	-0.005206479
28-Apr-15	3,029.98	-0.000847472	27-Apr-16	2,865.66	-0.000233748
27-Apr-15	3,032.55	0.001145562	26-Apr-16	2,866.33	-0.000163946
24-Apr-15	3,029.08	0.00344189	25-Apr-16	2,866.80	-0.002355954
23-Apr-15	3,018.69	0.002783766	22-Apr-16	2,873.57	-0.005750487
22-Apr-15	3,010.31	0.003516948	21-Apr-16	2,890.19	-0.000836615
21-Apr-15	2,999.76	0.00271423	20-Apr-16	2,892.61	-0.000625341
20-Apr-15	2,991.64	0.006378083	19-Apr-16	2,894.42	0.007497703
17-Apr-15	2,972.68	-0.010343737	18-Apr-16	2,872.88	0.003552578
16-Apr-15	3,003.75	0.000206451	17-Apr-16	2,862.71	-0.000104785
15-Apr-15	3,003.13	0.002888648	15-Apr-16	2,863.01	-0.000907311
14-Apr-15	2,994.48	0.002806336	14-Apr-16	2,865.61	0.002045626
13-Apr-15	2,986.10	-0.00438111	13-Apr-16	2,859.76	0.011641934
10-Apr-15	2,999.24	0.004319669	12-Apr-16	2,826.85	0.006103855
9-Apr-15	2,986.34	0.004159423	11-Apr-16	2,809.70	-0.001254785
8-Apr-15	2,973.97	0.002818982	8-Apr-16	2,813.23	0.004552791
7-Apr-15	2,965.61	0.000590446	7-Apr-16	2,800.48	-0.005705562
6-Apr-15	2,963.86	0.009032012	6-Apr-16	2,816.55	0.010896601
3-Apr-15	2,937.33	0.000592726	5-Apr-16	2,786.19	-0.01019578
2-Apr-15	2,935.59	0.00479879	4-Apr-16	2,814.89	0.00115947
1-Apr-15	2,921.57	-0.002877133	1-Apr-16	2,811.63	-0.002055072
31-Mar-15	2,930.00	-0.007751728	31-Mar-16	2,817.42	-0.002259367
30-Mar-15	2,952.89	0.008466241	30-Mar-16	2,823.80	0.010611456
27-Mar-15	2,928.10	0.001371367	29-Mar-16	2,794.15	0.007470893
26-Mar-15	2,924.09	-0.006297109	28-Mar-16	2,773.43	0.00121658
25-Mar-15	2,942.62	-0.011528617	25-Mar-16	2,770.06	3.61016E-05
24-Mar-15	2,976.94	-0.002131867	24-Mar-16	2,769.96	-0.003220687
23-Mar-15	2,983.30	0.001154417	23-Mar-16	2,778.91	-0.00733361
20-Mar-15	2,979.86	0.0106462	22-Mar-16	2,799.44	0.001090692
19-Mar-15	2,948.47	-0.000176332	21-Mar-16	2,796.39	0.000780185
18-Mar-15	2,948.99	0.010904367	18-Mar-16	2,794.21	0.003080093
17-Mar-15	2,917.18	-0.001396658	17-Mar-16	2,785.63	0.011624698
16-Mar-15	2,921.26	0.011282009	16-Mar-16	2,753.62	0.003271832
13-Mar-15	2,888.67	-0.00426742	15-Mar-16	2,744.64	-0.004555346
12-Mar-15	2,901.05	0.007924982	14-Mar-16	2,757.20	0.001187394
11-Mar-15	2,878.24	-0.001574869	11-Mar-16	2,753.93	0.015191395
10-Mar-15	2,882.78	-0.01567259	10-Mar-16	2,712.72	-0.000755128
9-Mar-15	2,928.68	-0.000999451	9-Mar-16	2,714.77	0.003300269
6-Mar-15	2,931.61	-0.012031099	8-Mar-16	2,705.84	-0.008864339
5-Mar-15	2,967.31	0.000961389	7-Mar-16	2,730.04	0.00130204
4-Mar-15	2,964.46	-0.003439014	4-Mar-16	2,726.49	0.005769408
3-Mar-15	2,974.69	-0.004977304	3-Mar-16	2,710.85	0.002982104
2-Mar-15	2,989.57	0.003730116	2-Mar-16	2,702.79	0.00589516
27-Feb-15	2,978.46	-0.002177584	1-Mar-16	2,686.95	0.019657325
26-Feb-15	2,984.96	-0.000997343	29-Feb-16	2,635.15	-0.005326016
25-Feb-15	2,987.94	0.001595613	26-Feb-16	2,649.26	-0.000196243
24-Feb-15	2,983.18	0.002389057	25-Feb-16	2,649.78	0.010313681
23-Feb-15	2,976.07	0.001261641	24-Feb-16	2,622.73	-0.001108301
20-Feb-15	2,972.32	0.003839984	23-Feb-16	2,625.64	-0.011240863

19-Feb-15	2,960.95	0.000919469	22-Feb-16	2,655.49	0.011545875
18-Feb-15	2,958.23	0.002151171	19-Feb-16	2,625.18	-0.001312471
17-Feb-15	2,951.88	0.000457545	18-Feb-16	2,628.63	-0.000254821
16-Feb-15	2,950.53	-0.000223639	17-Feb-16	2,629.30	0.015805192
13-Feb-15	2,951.19	0.008198989	16-Feb-16	2,588.39	0.010691095
12-Feb-15	2,927.19	0.00991216	15-Feb-16	2,561.01	0.009766426
11-Feb-15	2,898.46	-0.001247381	12-Feb-16	2,536.24	0.009484917
10-Feb-15	2,902.08	0.006321411	11-Feb-16	2,512.41	-0.009618379
9-Feb-15	2,883.85	-0.003290281	10-Feb-16	2,536.81	0.000335179
6-Feb-15	2,893.37	-0.004818772	9-Feb-16	2,535.96	-0.003273998
5-Feb-15	2,907.38	0.007939039	8-Feb-16	2,544.29	-0.013083684
4-Feb-15	2,884.48	-0.001184252	5-Feb-16	2,578.02	-0.018637371
3-Feb-15	2,887.90	0.010857999	4-Feb-16	2,626.98	0.003315128
2-Feb-15	2,856.88	0.008974137	3-Feb-16	2,618.30	0.001813618
30-Jan-15	2,831.47	-0.008939416	2-Feb-16	2,613.56	-0.015652777
29-Jan-15	2,857.01	0.002677776	1-Feb-16	2,655.12	0.003795726
28-Jan-15	2,849.38	-0.009355802	29-Jan-16	2,645.08	0.020777697
27-Jan-15	2,876.29	-0.006469731	28-Jan-16	2,591.24	0.001391229
26-Jan-15	2,895.02	0.002975995	27-Jan-16	2,587.64	-0.005648762
23-Jan-15	2,886.43	8.31546E-05	26-Jan-16	2,602.34	0.008443936
22-Jan-15	2,886.19	0.00849794	25-Jan-16	2,580.55	-0.008312261
21-Jan-15	2,861.87	0.005406678	22-Jan-16	2,602.18	0.026177143
20-Jan-15	2,846.48	0.002267574	21-Jan-16	2,535.80	0.003176713
19-Jan-15	2,840.04	0.003600898	20-Jan-16	2,527.77	-0.014645232
16-Jan-15	2,829.85	0.008600288	19-Jan-16	2,565.34	0.003481404
15-Jan-15	2,805.72	-0.003201018	18-Jan-16	2,556.44	-0.002960184
14-Jan-15	2,814.73	-0.005490642	15-Jan-16	2,564.03	-0.017575386
13-Jan-15	2,830.27	0.000417095	14-Jan-16	2,609.90	0.005931756
12-Jan-15	2,829.09	-0.005508373	13-Jan-16	2,594.51	-0.012581967
9-Jan-15	2,844.76	-0.004179648	12-Jan-16	2,627.57	0.005337425
8-Jan-15	2,856.70	0.020035064	11-Jan-16	2,613.62	-0.005725329
7-Jan-15	2,800.59	0.006494113	8-Jan-16	2,628.67	-0.008711163
6-Jan-15	2,782.52	-0.009074074	7-Jan-16	2,651.77	-0.022010363
5-Jan-15	2,808.00	-0.016968496	6-Jan-16	2,711.45	-0.01249563
2-Jan-15	2,856.47	-0.002475939	5-Jan-16	2,745.76	-0.000385901
1-Jan-15	2,863.56	0	4-Jan-16	2,746.82	-0.019024389
			1-Jan-16	2,800.09	2.85713E-05
Average		-5.31425E-05	Average		0.000170294
Stadev		0.008108929	Stadev		0.007441368

Return Saham Syariah Amerika tahun 2017

Periode	Close price 2017	Return 2017	Periode	Close price 2017	Return 2017
31-Dec-17	3,638.65	0.000159425	10-Jul-17	3,262.88	0.00227309
29-Dec-17	3,638.07	-0.001758824	7-Jul-17	3,255.48	0.003461509
28-Dec-17	3,644.48	0.002142058	6-Jul-17	3,244.25	-0.006881499

27-Dec-17	3,636.69	0.002550008	5-Jul-17	3,266.73	0.002002945
26-Dec-17	3,627.44	-0.000895147	4-Jul-17	3,260.20	-0.002347095
25-Dec-17	3,630.69	0.000358187	3-Jul-17	3,267.87	-0.000510775
24-Dec-17	3,629.39	-8.26578E-06	30-Jun-17	3,269.54	-0.000336326
22-Dec-17	3,629.42	0.000363827	29-Jun-17	3,270.64	-0.009641239
21-Dec-17	3,628.10	0.001004288	28-Jun-17	3,302.48	0.005106979
20-Dec-17	3,624.46	1.37953E-05	27-Jun-17	3,285.70	-0.008057626
19-Dec-17	3,624.41	-0.002468776	26-Jun-17	3,312.39	0.000135872
18-Dec-17	3,633.38	0.00849624	23-Jun-17	3,311.94	0.003265519
17-Dec-17	3,602.77	-8.32686E-06	22-Jun-17	3,301.16	0.001905987
15-Dec-17	3,602.80	0.005085687	21-Jun-17	3,294.88	0.001203311
14-Dec-17	3,584.57	-0.002865194	20-Jun-17	3,290.92	-0.005418801
13-Dec-17	3,594.87	0.002439963	19-Jun-17	3,308.85	0.008841868
12-Dec-17	3,586.12	-0.001770365	16-Jun-17	3,279.85	0.002353193
11-Dec-17	3,592.48	0.004417505	15-Jun-17	3,272.15	-0.006566923
10-Dec-17	3,576.68	-0.000299071	14-Jun-17	3,293.78	0.000574138
8-Dec-17	3,577.75	0.005598918	13-Jun-17	3,291.89	0.005227848
7-Dec-17	3,557.83	0.002923218	12-Jun-17	3,274.77	-0.004417353
6-Dec-17	3,547.46	-0.002668016	9-Jun-17	3,289.30	-0.004897912
5-Dec-17	3,556.95	-0.002828676	8-Jun-17	3,305.49	-0.000891659
4-Dec-17	3,567.04	-0.003377916	7-Jun-17	3,308.44	-0.000383719
3-Dec-17	3,579.13	-0.001124706	6-Jun-17	3,309.71	-0.00285011
1-Dec-17	3,583.16	-0.003512441	5-Jun-17	3,319.17	-0.00027409
30-Nov-17	3,595.79	0.003328813	2-Jun-17	3,320.08	0.007544261
29-Nov-17	3,583.86	-0.006489672	1-Jun-17	3,295.22	0.00591604
28-Nov-17	3,607.27	0.003812365	31-May-17	3,275.84	0.001292941
27-Nov-17	3,593.57	-0.002672624	30-May-17	3,271.61	-4.89032E-05
26-Nov-17	3,603.20	8.326E-06	29-May-17	3,271.77	-0.000424666
24-Nov-17	3,603.17	0.003031501	26-May-17	3,273.16	-0.000293209
23-Nov-17	3,592.28	0.001195656	25-May-17	3,274.12	0.004648708
22-Nov-17	3,587.99	0.000725165	24-May-17	3,258.97	0.000644791
21-Nov-17	3,585.39	0.007681152	23-May-17	3,256.87	-0.000285469
20-Nov-17	3,558.06	0.001954313	22-May-17	3,257.80	0.00495723
19-Nov-17	3,551.12	-1.40799E-05	19-May-17	3,241.73	0.00678284
17-Nov-17	3,551.17	-0.000219598	18-May-17	3,219.89	0
16-Nov-17	3,551.95	0.009940318	17-May-17	3,219.89	-0.012003645
15-Nov-17	3,516.99	-0.00638492	16-May-17	3,259.01	0.003105647
14-Nov-17	3,539.59	-0.001202082	15-May-17	3,248.92	0.004569994
13-Nov-17	3,543.85	-0.00130197	12-May-17	3,234.14	0.00201696

12-Nov-17	3,548.47	-1.12723E-05	11-May-17	3,227.63	-0.001126492
10-Nov-17	3,548.51	-0.000974107	10-May-17	3,231.27	0.00144424
9-Nov-17	3,551.97	-0.005067142	9-May-17	3,226.61	0.000362741
8-Nov-17	3,570.06	0.002969527	8-May-17	3,225.44	0.001823225
7-Nov-17	3,559.49	0.00039347	5-May-17	3,219.57	0.004060439
6-Nov-17	3,558.09	0.002005086	4-May-17	3,206.55	0.00144288
5-Nov-17	3,550.97	-1.68965E-05	3-May-17	3,201.93	-0.00059616
3-Nov-17	3,551.03	0.003504181	2-May-17	3,203.84	0.003090198
2-Nov-17	3,538.63	-6.49927E-05	1-May-17	3,193.97	0.002262486
1-Nov-17	3,538.86	0.002816726	28-Apr-17	3,186.76	-0.000523769
31-Oct-17	3,528.92	0.00306697	27-Apr-17	3,188.43	0.001674468
30-Oct-17	3,518.13	0.001061348	26-Apr-17	3,183.10	-0.000223003
29-Oct-17	3,514.40	-0.000850062	25-Apr-17	3,183.81	0.006006699
27-Oct-17	3,517.39	0.006994068	24-Apr-17	3,164.80	0.013283984
26-Oct-17	3,492.96	-0.000203225	21-Apr-17	3,123.31	-0.001071431
25-Oct-17	3,493.67	-0.003178489	20-Apr-17	3,126.66	0.006385951
24-Oct-17	3,504.81	-0.000253872	19-Apr-17	3,106.82	-0.000521162
23-Oct-17	3,505.70	-0.001722788	18-Apr-17	3,108.44	-0.003800917
22-Oct-17	3,511.75	0.00025065	17-Apr-17	3,120.30	0.006460728
20-Oct-17	3,510.87	0.000242164	14-Apr-17	3,100.27	-0.00079285
19-Oct-17	3,510.02	-0.001084287	13-Apr-17	3,102.73	-0.003446327
18-Oct-17	3,513.83	0.001153918	12-Apr-17	3,113.46	-0.001270281
17-Oct-17	3,509.78	-0.001459497	11-Apr-17	3,117.42	0.000121911
16-Oct-17	3,514.91	0.001133603	10-Apr-17	3,117.04	0.000224622
15-Oct-17	3,510.93	0	7-Apr-17	3,116.34	-0.000189289
13-Oct-17	3,510.93	0.002687404	6-Apr-17	3,116.93	-0.000250184
12-Oct-17	3,501.52	0.001398489	5-Apr-17	3,117.71	-0.001767401
11-Oct-17	3,496.63	0.003109769	4-Apr-17	3,123.23	0.000345915
10-Oct-17	3,485.79	0.00470968	3-Apr-17	3,122.15	-0.000838462
9-Oct-17	3,469.45	-0.000193077	31-Mar-17	3,124.77	-0.00300238
8-Oct-17	3,470.12	8.64531E-06	30-Mar-17	3,134.18	4.78617E-05
6-Oct-17	3,470.09	-0.00051845	29-Mar-17	3,134.03	-0.000124425
5-Oct-17	3,471.89	0.002196705	28-Mar-17	3,134.42	0.005746813
4-Oct-17	3,464.28	0.001488814	27-Mar-17	3,116.51	0.000873534
3-Oct-17	3,459.13	0.003195954	24-Mar-17	3,113.79	0.000514107
2-Oct-17	3,448.11	0.002762744	23-Mar-17	3,112.19	0.000337497
1-Oct-17	3,438.61	0.000113431	22-Mar-17	3,111.14	0.000279718
29-Sep-17	3,438.22	0.004951363	21-Mar-17	3,110.27	-0.006922205
28-Sep-17	3,421.28	0.001548599	20-Mar-17	3,131.95	0.000696537

27-Sep-17	3,415.99	0.001806542	17-Mar-17	3,129.77	0.000479498
26-Sep-17	3,409.83	-0.003256386	16-Mar-17	3,128.27	0.004582531
25-Sep-17	3,420.97	-0.003974239	15-Mar-17	3,114.00	0.006451112
24-Sep-17	3,434.62	-5.82303E-06	14-Mar-17	3,094.04	-0.002736476
22-Sep-17	3,434.64	0.000751735	13-Mar-17	3,102.53	0.002617606
21-Sep-17	3,432.06	-0.00591171	10-Mar-17	3,094.43	0.005664608
20-Sep-17	3,452.47	-3.76528E-05	9-Mar-17	3,077.00	3.25002E-05
19-Sep-17	3,452.60	0.0015723	8-Mar-17	3,076.90	-0.001638573
18-Sep-17	3,447.18	0.002174608	7-Mar-17	3,081.95	-0.002501877
15-Sep-17	3,439.70	0.002781211	6-Mar-17	3,089.68	-0.001241304
14-Sep-17	3,430.16	-0.000920392	3-Mar-17	3,093.52	-0.000826852
13-Sep-17	3,433.32	-0.001143356	2-Mar-17	3,096.08	-0.003469741
12-Sep-17	3,437.25	0.002552137	1-Mar-17	3,106.86	0.008219943
11-Sep-17	3,428.50	0.007733254	28-Feb-17	3,081.53	-0.002140447
8-Sep-17	3,402.19	-0.000936753	27-Feb-17	3,088.14	0.000641574
7-Sep-17	3,405.38	0.0064756	24-Feb-17	3,086.16	-0.000618509
6-Sep-17	3,383.47	0.003220058	23-Feb-17	3,088.07	0.001348937
5-Sep-17	3,372.61	-0.00203581	22-Feb-17	3,083.91	-0.000191279
4-Sep-17	3,379.49	-0.001492079	21-Feb-17	3,084.50	0.003366784
1-Sep-17	3,384.54	0.002259462	20-Feb-17	3,074.15	-0.000481202
31-Aug-17	3,376.91	0.007191005	17-Feb-17	3,075.63	0.002359544
30-Aug-17	3,352.80	0.002868501	16-Feb-17	3,068.39	0.001151765
29-Aug-17	3,343.21	0.000709402	15-Feb-17	3,064.86	0.005416045
28-Aug-17	3,340.84	0.001573934	14-Feb-17	3,048.35	-0.000239416
25-Aug-17	3,335.59	0.001380971	13-Feb-17	3,049.08	0.004414168
24-Aug-17	3,330.99	-0.000546086	10-Feb-17	3,035.68	0.003809322
23-Aug-17	3,332.81	-0.001503971	9-Feb-17	3,024.16	0.002961631
22-Aug-17	3,337.83	0.007963255	8-Feb-17	3,015.23	0.003143943
21-Aug-17	3,311.46	0.001012663	7-Feb-17	3,005.78	0.000675822
18-Aug-17	3,308.11	-0.002791368	6-Feb-17	3,003.75	-0.001817747
17-Aug-17	3,317.37	-0.008147413	3-Feb-17	3,009.22	0.005379003
16-Aug-17	3,344.62	0.003224481	2-Feb-17	2,993.12	0.001348236
15-Aug-17	3,333.87	-0.001658976	1-Feb-17	2,989.09	0.0012226
14-Aug-17	3,339.41	0.007898613	31-Jan-17	2,985.44	0.000381999
11-Aug-17	3,313.24	0.000220377	30-Jan-17	2,984.30	-0.005037657
10-Aug-17	3,312.51	-0.01128844	27-Jan-17	2,999.41	0.000420259
9-Aug-17	3,350.33	-0.001680587	26-Jan-17	2,998.15	-0.002126781
8-Aug-17	3,355.97	-0.00222094	25-Jan-17	3,004.54	0.007744554
7-Aug-17	3,363.44	0.003350029	24-Jan-17	2,981.45	0.005541278

4-Aug-17	3,352.21	0.000474539	23-Jan-17	2,965.02	-0.000192205
3-Aug-17	3,350.62	-0.001415641	20-Jan-17	2,965.59	0.003186556
2-Aug-17	3,355.37	0.00133397	19-Jan-17	2,956.17	-0.006025372
1-Aug-17	3,350.90	0.002495094	18-Jan-17	2,974.09	0.001923608
31-Jul-17	3,342.56	4.78698E-05	17-Jan-17	2,968.38	0.000481976
28-Jul-17	3,342.40	-0.000421675	16-Jan-17	2,966.95	-0.001961127
27-Jul-17	3,343.81	-0.001346944	13-Jan-17	2,972.78	0.002005508
26-Jul-17	3,348.32	-0.000292598	12-Jan-17	2,966.83	0.002635999
25-Jul-17	3,349.30	0.000836695	11-Jan-17	2,959.03	-0.000881268
24-Jul-17	3,346.50	-0.00131308	10-Jan-17	2,961.64	0.002165645
21-Jul-17	3,350.90	-0.001751679	9-Jan-17	2,955.24	-0.001523777
20-Jul-17	3,356.78	0.001040769	6-Jan-17	2,959.75	0.001726093
19-Jul-17	3,353.29	-0.005387789	5-Jan-17	2,954.65	0.00587254
18-Jul-17	3,335.32	0.001889439	4-Jan-17	2,937.40	0.007259373
17-Jul-17	3,329.03	0.000399675	3-Jan-17	2,916.23	0.002557765
14-Jul-17	3,327.70	0.006609495	2-Jan-17	2,908.79	0.000746572
13-Jul-17	3,305.85	0.002337681			
12-Jul-17	3,298.14	0.010174828	Average		0.000823311
11-Jul-17	3,264.92	0.000625215	Stadev		0.003520591

Return Saham Syariah Amerika tahun 2018-2019

Periode	Close price 2018	Return 2018	Periode	Closeprice 2019	Return 2019
31-Dec-18	3,341.85	0.009238175	31-Dec-19	4,300.00	0.001728564
30-Dec-18	3,311.26	-0.000350197	30-Dec-19	4,292.58	-0.00512666
28-Dec-18	3,312.42	0.003219466	29-Dec-19	4,314.70	-0.000125138
27-Dec-18	3,301.79	0.007773966	27-Dec-19	4,315.24	0.002301798
26-Dec-18	3,276.32	0.03343837	26-Dec-19	4,305.33	0.003260054
25-Dec-18	3,170.31	-0.004168263	25-Dec-19	4,291.34	-0.0001165
24-Dec-18	3,183.58	-0.016548507	24-Dec-19	4,291.84	0.00046855
23-Dec-18	3,237.15	0.001200024	23-Dec-19	4,289.83	0.002078988
21-Dec-18	3,233.27	-0.014607461	22-Dec-19	4,280.93	0.000212616
20-Dec-18	3,281.20	-0.0155386	20-Dec-19	4,280.02	0.004555686
19-Dec-18	3,332.99	-0.009848075	19-Dec-19	4,260.61	0.003469245
18-Dec-18	3,366.14	-0.001598681	18-Dec-19	4,245.88	-0.00107518
17-Dec-18	3,371.53	-0.015413324	17-Dec-19	4,250.45	0.000435438

16-Dec-18	3,424.31	0	16-Dec-19	4,248.60	0.007225968
14-Dec-18	3,424.31	-0.019420812	15-Dec-19	4,218.12	0.000310661
13-Dec-18	3,492.13	-0.000354958	13-Dec-19	4,216.81	0.005772061
12-Dec-18	3,493.37	0.011307613	12-Dec-19	4,192.61	0.006235255
11-Dec-18	3,454.31	0.002545319	11-Dec-19	4,166.63	0.003656554
10-Dec-18	3,445.54	-0.003470676	10-Dec-19	4,151.45	-0.000452649
9-Dec-18	3,457.54	0.000101238	9-Dec-19	4,153.33	-0.002025585
7-Dec-18	3,457.19	-0.014548647	8-Dec-19	4,161.76	-0.000302665
6-Dec-18	3,508.23	-0.008349893	6-Dec-19	4,163.02	0.008835446
5-Dec-18	3,537.77	-0.004541477	5-Dec-19	4,126.56	0.002456
4-Dec-18	3,553.91	-0.02316805	4-Dec-19	4,116.45	0.004766996
3-Dec-18	3,638.20	0.013759397	3-Dec-19	4,096.92	-0.004473517
2-Dec-18	3,588.82	4.17982E-05	2-Dec-19	4,115.33	-0.006832157
30-Nov-18	3,588.67	0.005494444	1-Dec-19	4,143.64	5.06826E-05
29-Nov-18	3,569.06	0.00260127	29-Nov-19	4,143.43	-0.004894556
28-Nov-18	3,559.80	0.018558259	28-Nov-19	4,163.81	-0.000220903
27-Nov-18	3,494.94	0.000165982	27-Nov-19	4,164.73	0.004021167
26-Nov-18	3,494.36	0.011731869	26-Nov-19	4,148.05	0.00288677
25-Nov-18	3,453.84	0.000182439	25-Nov-19	4,136.11	0.008758109
23-Nov-18	3,453.21	-0.004936116	24-Nov-19	4,100.20	0.000165873
22-Nov-18	3,470.34	0.00061992	22-Nov-19	4,099.52	0.000881367
21-Nov-18	3,468.19	0.004722051	21-Nov-19	4,095.91	-0.003452471
20-Nov-18	3,451.89	-0.016230435	20-Nov-19	4,110.10	-0.00400569
19-Nov-18	3,508.84	-0.01450643	19-Nov-19	4,126.63	0.000681407
18-Nov-18	3,560.49	-0.0004155	18-Nov-19	4,123.82	0.00145465
16-Nov-18	3,561.97	0.002586707	17-Nov-19	4,117.83	-1.45706E-05
15-Nov-18	3,552.78	0.010328569	15-Nov-19	4,117.89	0.008429106
14-Nov-18	3,516.46	-0.004622409	14-Nov-19	4,083.47	-0.000929716
13-Nov-18	3,532.79	-0.000760858	13-Nov-19	4,087.27	0.000105216
12-Nov-18	3,535.48	-0.019322412	12-Nov-19	4,086.84	0.002423374
11-Nov-18	3,605.14	0.000438455	11-Nov-19	4,076.96	-0.002085434
9-Nov-18	3,603.56	-0.011569668	10-Nov-19	4,085.48	0.000225238
8-Nov-18	3,645.74	-0.002164958	8-Nov-19	4,084.56	0.000931199
7-Nov-18	3,653.65	0.017647599	7-Nov-19	4,080.76	0.00224973
6-Nov-18	3,590.29	0.004299397	6-Nov-19	4,071.60	0.00018178
5-Nov-18	3,574.92	-0.001167891	5-Nov-19	4,070.86	-0.001550091
4-Nov-18	3,579.10	-0.000192749	4-Nov-19	4,077.18	0.004746274
2-Nov-18	3,579.79	0.000517057	3-Nov-19	4,057.92	-2.46431E-06
1-Nov-18	3,577.94	0.012092702	1-Nov-19	4,057.93	0.008181366

31-Oct-18	3,535.19	0.01515034	31-Oct-19	4,025.00	-0.001203519
30-Oct-18	3,482.43	0.012590394	30-Oct-19	4,029.85	0.003763631
29-Oct-18	3,439.13	-0.006577313	29-Oct-19	4,014.74	-0.000706893
28-Oct-18	3,461.90	-0.000210822	28-Oct-19	4,017.58	0.005949192
26-Oct-18	3,462.63	-0.011202618	27-Oct-19	3,993.82	0.000175302
25-Oct-18	3,501.86	0.009036162	25-Oct-19	3,993.12	0.004993356
24-Oct-18	3,470.50	-0.023763847	24-Oct-19	3,973.28	0.005176052
23-Oct-18	3,554.98	-0.011780862	23-Oct-19	3,952.82	0.001614109
22-Oct-18	3,597.36	0.000397672	22-Oct-19	3,946.45	-0.004098226
21-Oct-18	3,595.93	-0.000241882	21-Oct-19	3,962.69	0.005881427
19-Oct-18	3,596.80	-0.002684058	20-Oct-19	3,939.52	-0.00051249
18-Oct-18	3,606.48	-0.014491011	18-Oct-19	3,941.54	-0.004339787
17-Oct-18	3,659.51	-0.001979944	17-Oct-19	3,958.72	0.002910902
16-Oct-18	3,666.77	0.019864547	16-Oct-19	3,947.23	-0.001573309
15-Oct-18	3,595.35	-0.006499266	15-Oct-19	3,953.45	0.008273379
14-Oct-18	3,618.87	3.31606E-05	14-Oct-19	3,921.01	-0.00077471
12-Oct-18	3,618.75	0.016183111	13-Oct-19	3,924.05	-0.000247132
11-Oct-18	3,561.12	-0.020133231	11-Oct-19	3,925.02	0.013274473
10-Oct-18	3,634.29	-0.026971671	10-Oct-19	3,873.60	0.004733682
9-Oct-18	3,735.03	-0.003274358	9-Oct-19	3,855.35	0.006794922
8-Oct-18	3,747.30	-0.006258453	8-Oct-19	3,829.33	-0.011933698
7-Oct-18	3,770.90	-9.54588E-05	7-Oct-19	3,875.58	-0.001859483
5-Oct-18	3,771.26	-0.007832088	6-Oct-19	3,882.80	-0.000193122
4-Oct-18	3,801.03	-0.014853538	4-Oct-19	3,883.55	0.011401725
3-Oct-18	3,858.34	0.000326672	3-Oct-19	3,839.77	0.007554487
2-Oct-18	3,857.08	-0.004372719	2-Oct-19	3,810.98	-0.016759805
1-Oct-18	3,874.02	0.002323391	1-Oct-19	3,875.94	-0.008931517
30-Sep-18	3,865.04	0	30-Sep-19	3,910.87	0.003196175
28-Sep-18	3,865.04	-0.000868576	29-Sep-19	3,898.41	4.10441E-05
27-Sep-18	3,868.40	0.000620797	27-Sep-19	3,898.25	-0.006207617
26-Sep-18	3,866.00	-0.000635912	26-Sep-19	3,922.60	0.000211639
25-Sep-18	3,868.46	0.001830947	25-Sep-19	3,921.77	0.001118091
24-Sep-18	3,861.39	-0.001659854	24-Sep-19	3,917.39	-0.005907625
23-Sep-18	3,867.81	-3.87801E-05	23-Sep-19	3,940.67	-0.001515209
21-Sep-18	3,867.96	0.001447298	22-Sep-19	3,946.65	2.28047E-05
20-Sep-18	3,862.37	0.008349019	20-Sep-19	3,946.56	-0.002547616
19-Sep-18	3,830.39	0.001788913	19-Sep-19	3,956.64	0.001838263
18-Sep-18	3,823.55	0.004376276	18-Sep-19	3,949.38	0.000428098
17-Sep-18	3,806.89	-0.006111793	17-Sep-19	3,947.69	0.002694891

16-Sep-18	3,830.30	0.000532879	16-Sep-19	3,937.08	-0.003689589
14-Sep-18	3,828.26	0.002516596	15-Sep-19	3,951.66	-9.10927E-05
13-Sep-18	3,818.65	0.005985358	13-Sep-19	3,952.02	-0.000159387
12-Sep-18	3,795.93	0.001466875	12-Sep-19	3,952.65	0.00380428
11-Sep-18	3,790.37	0.002305872	11-Sep-19	3,937.67	0.007594697
10-Sep-18	3,781.65	0.002013752	10-Sep-19	3,907.99	-0.003622967
9-Sep-18	3,774.05	0.000593879	9-Sep-19	3,922.20	-0.004110817
7-Sep-18	3,771.81	-0.002667971	8-Sep-19	3,938.39	0.000294623
6-Sep-18	3,781.90	-0.005522102	6-Sep-19	3,937.23	0.00177342
5-Sep-18	3,802.90	-0.007741542	5-Sep-19	3,930.26	0.012932723
4-Sep-18	3,832.57	-0.005495946	4-Sep-19	3,880.08	0.0110299
3-Sep-18	3,853.75	-0.001608825	3-Sep-19	3,837.75	-0.00699393
2-Sep-18	3,859.96	0.000642907	2-Sep-19	3,864.78	-0.000333672
31-Aug-18	3,857.48	-0.002136719	1-Sep-19	3,866.07	0.000305313
30-Aug-18	3,865.74	-0.00293774	30-Aug-19	3,864.89	0.002596709
29-Aug-18	3,877.13	0.004640834	29-Aug-19	3,854.88	0.010056334
28-Aug-18	3,859.22	0.0014142	28-Aug-19	3,816.50	0.002811498
27-Aug-18	3,853.77	0.009202253	27-Aug-19	3,805.80	0.00215662
26-Aug-18	3,818.63	1.57127E-05	26-Aug-19	3,797.61	0.004010639
24-Aug-18	3,818.57	0.006330131	25-Aug-19	3,782.44	-0.000692195
23-Aug-18	3,794.55	-0.001413188	23-Aug-19	3,785.06	-0.017635563
22-Aug-18	3,799.92	0.003062043	22-Aug-19	3,853.01	-0.003370374
21-Aug-18	3,788.32	0.004241422	21-Aug-19	3,866.04	0.008162222
20-Aug-18	3,772.32	0.003976175	20-Aug-19	3,834.74	-0.003396737
19-Aug-18	3,757.38	-0.00058783	19-Aug-19	3,847.81	0.011407814
17-Aug-18	3,759.59	0.004011141	18-Aug-19	3,804.41	-5.51961E-05
16-Aug-18	3,744.57	0.004458214	16-Aug-19	3,804.62	0.012171211
15-Aug-18	3,727.95	-0.010594845	15-Aug-19	3,758.87	-0.001564509
14-Aug-18	3,767.87	0.003924714	14-Aug-19	3,764.76	-0.020427917
13-Aug-18	3,753.14	-0.00646712	13-Aug-19	3,843.27	0.008658156
12-Aug-18	3,777.57	0.000524421	12-Aug-19	3,810.28	-0.007768007
10-Aug-18	3,775.59	-0.010130485	11-Aug-19	3,840.11	0
9-Aug-18	3,814.23	-0.00054241	9-Aug-19	3,840.11	-0.006198144
8-Aug-18	3,816.30	-0.000296011	8-Aug-19	3,864.06	0.018082273
7-Aug-18	3,817.43	0.00405839	7-Aug-19	3,795.43	0.003962491
6-Aug-18	3,802.00	0.001069001	6-Aug-19	3,780.45	0.007485956
5-Aug-18	3,797.94	0.000223856	5-Aug-19	3,752.36	-0.027641661
3-Aug-18	3,797.09	0.002772943	4-Aug-19	3,859.03	-0.000103642
2-Aug-18	3,786.59	0.000602488	2-Aug-19	3,859.43	-0.012104784

1-Aug-18	3,784.31	0.000306623	1-Aug-19	3,906.72	-0.005045167
31-Jul-18	3,783.15	0.002900157	31-Jul-19	3,926.53	-0.009637454
30-Jul-18	3,772.21	-0.006709342	30-Jul-19	3,964.74	-0.002862087
29-Jul-18	3,797.69	-2.36981E-05	29-Jul-19	3,976.12	-0.001662172
27-Jul-18	3,797.78	-0.005863598	28-Jul-19	3,982.74	7.53256E-06
26-Jul-18	3,820.18	-0.002272205	26-Jul-19	3,982.71	0.004955754
25-Jul-18	3,828.88	0.00877602	25-Jul-19	3,963.07	-0.004493891
24-Jul-18	3,795.57	0.004552228	24-Jul-19	3,980.96	0.003911284
23-Jul-18	3,778.37	-0.00159866	23-Jul-19	3,965.45	0.005191421
22-Jul-18	3,784.42	-0.000802649	22-Jul-19	3,944.97	0.003163358
20-Jul-18	3,787.46	0.003406984	21-Jul-19	3,932.53	3.81448E-05
19-Jul-18	3,774.60	-0.002950523	19-Jul-19	3,932.38	-0.001333289
18-Jul-18	3,785.77	0.001023295	18-Jul-19	3,937.63	0.000622589
17-Jul-18	3,781.90	0.004571426	17-Jul-19	3,935.18	-0.003305279
16-Jul-18	3,764.69	-0.003483463	16-Jul-19	3,948.23	-0.002445735
15-Jul-18	3,777.85	-0.000243465	15-Jul-19	3,957.91	0.00243142
13-Jul-18	3,778.77	0.003905347	14-Jul-19	3,948.31	-5.06543E-06
12-Jul-18	3,764.07	0.008571628	12-Jul-19	3,948.33	0.002297374
11-Jul-18	3,732.08	-0.009364648	11-Jul-19	3,939.28	0.001337055
10-Jul-18	3,767.36	0.002989779	10-Jul-19	3,934.02	0.004406703
9-Jul-18	3,756.13	0.008736169	9-Jul-19	3,916.76	-0.000467005
8-Jul-18	3,723.60	2.41707E-05	8-Jul-19	3,918.59	-0.006561084
6-Jul-18	3,723.51	0.009256348	7-Jul-19	3,944.47	-2.53513E-05
5-Jul-18	3,689.36	0.00649836	5-Jul-19	3,944.57	-0.005791987
4-Jul-18	3,665.54	-0.000926698	4-Jul-19	3,967.55	0.0004665
3-Jul-18	3,668.94	-0.001271229	3-Jul-19	3,965.70	0.005575968
2-Jul-18	3,673.61	-0.003550601	2-Jul-19	3,943.71	0.002531935
1-Jul-18	3,686.70	-8.95029E-05	1-Jul-19	3,933.75	0.007922456
29-Jun-18	3,687.03	0.007319192	30-Jun-19	3,902.83	0.000387048
28-Jun-18	3,660.24	0.000645182	28-Jun-19	3,901.32	0.004555017
27-Jun-18	3,657.88	-0.007408051	27-Jun-19	3,883.63	0.004417375
26-Jun-18	3,685.18	0.001459314	26-Jun-19	3,866.55	-0.001312109
25-Jun-18	3,679.81	-0.015582949	25-Jun-19	3,871.63	-0.008652078
22-Jun-18	3,738.06	0.003247485	24-Jun-19	3,905.42	-6.65697E-05
21-Jun-18	3,725.96	-0.006815886	23-Jun-19	3,905.68	-0.001143179
20-Jun-18	3,751.53	0.004277817	21-Jun-19	3,910.15	-0.001468373
19-Jun-18	3,735.55	-0.009413824	20-Jun-19	3,915.90	0.012210946
18-Jun-18	3,771.05	-0.003359093	19-Jun-19	3,868.66	0.005782
17-Jun-18	3,783.76	-2.37853E-05	18-Jun-19	3,846.42	0.010301534

15-Jun-18	3,783.85	-0.003549863	17-Jun-19	3,807.20	0.000346832
14-Jun-18	3,797.33	0.000724718	16-Jun-19	3,805.88	0.000431098
13-Jun-18	3,794.58	-0.002014602	14-Jun-19	3,804.24	-0.004568647
12-Jun-18	3,802.24	0.002087331	13-Jun-19	3,821.70	0.000688649
11-Jun-18	3,794.32	0.002353774	12-Jun-19	3,819.07	-0.001192584
10-Jun-18	3,785.41	-0.00016376	11-Jun-19	3,823.63	0.002927236
8-Jun-18	3,786.03	-6.33869E-05	10-Jun-19	3,812.47	0.006026974
7-Jun-18	3,786.27	-0.001297746	9-Jun-19	3,789.63	0.000303552
6-Jun-18	3,791.19	0.006568519	7-Jun-19	3,788.48	0.012064157
5-Jun-18	3,766.45	0.000956722	6-Jun-19	3,743.32	0.004540575
4-Jun-18	3,762.85	0.00659139	5-Jun-19	3,726.40	0.009156175
3-Jun-18	3,738.21	2.67508E-06	4-Jun-19	3,692.59	0.014506331
1-Jun-18	3,738.20	0.009808503	3-Jun-19	3,639.79	-0.001336201
31-May-18	3,701.89	-0.001416186	2-Jun-19	3,644.66	-0.000704644
30-May-18	3,707.14	0.006259365	31-May-19	3,647.23	-0.007875022
29-May-18	3,684.08	-0.007406569	30-May-19	3,676.18	0.002927335
28-May-18	3,711.57	-0.000866805	29-May-19	3,665.45	-0.009568046
27-May-18	3,714.79	0.000166928	28-May-19	3,700.86	-0.004457381
25-May-18	3,714.17	-0.001212796	27-May-19	3,717.43	0.000508674
24-May-18	3,718.68	-0.000290341	26-May-19	3,715.54	-0.000328243
23-May-18	3,719.76	0.000796384	24-May-19	3,716.76	0.002689659
22-May-18	3,716.80	-0.002659182	23-May-19	3,706.79	-0.011941603
21-May-18	3,726.71	0.00442553	22-May-19	3,751.59	-0.001798662
20-May-18	3,710.29	8.35584E-05	21-May-19	3,758.35	0.006782694
18-May-18	3,709.98	-0.002151706	20-May-19	3,733.03	-0.009322853
17-May-18	3,717.98	0.000947648	19-May-19	3,768.16	0.000140672
16-May-18	3,714.46	0.003582622	17-May-19	3,767.63	-0.006748866
15-May-18	3,701.20	-0.008789455	16-May-19	3,793.23	0.006669144
14-May-18	3,734.02	0.002085206	15-May-19	3,768.10	0.007591498
13-May-18	3,726.25	5.36761E-05	14-May-19	3,739.71	0.006348019
11-May-18	3,726.05	0.003939182	13-May-19	3,716.12	-0.021030309
10-May-18	3,711.43	0.007300795	12-May-19	3,795.95	0.000189712
9-May-18	3,684.53	0.006410712	10-May-19	3,795.23	0.002880298
8-May-18	3,661.06	0.001274478	9-May-19	3,784.33	-0.00749819
7-May-18	3,656.40	0.004226849	8-May-19	3,812.92	-0.001385466
6-May-18	3,641.01	1.64792E-05	7-May-19	3,818.21	-0.014589366
4-May-18	3,640.95	0.009087734	6-May-19	3,874.74	-0.005997763
3-May-18	3,608.16	-0.001820325	5-May-19	3,898.12	-0.000561494
2-May-18	3,614.74	-0.002500138	3-May-19	3,900.31	0.008397474

1-May-18	3,623.80	0.000173881	2-May-19	3,867.83	-0.00333439
30-Apr-18	3,623.17	-0.003660133	1-May-19	3,880.77	-0.004517261
29-Apr-18	3,636.48	-0.000588135	30-Apr-19	3,898.38	0.000277115
27-Apr-18	3,638.62	0.002910646	29-Apr-19	3,897.30	0.000731811
26-Apr-18	3,628.06	0.010933956	28-Apr-19	3,894.45	0.00013611
25-Apr-18	3,588.82	-0.003285518	26-Apr-19	3,893.92	0.000992273
24-Apr-18	3,600.65	-0.009871994	25-Apr-19	3,890.06	-0.001704006
23-Apr-18	3,636.55	-0.003135974	24-Apr-19	3,896.70	-0.001181654
22-Apr-18	3,647.99	-1.09648E-05	23-Apr-19	3,901.31	0.007345992
20-Apr-18	3,648.03	-0.010733239	22-Apr-19	3,872.86	0.000534775
19-Apr-18	3,687.61	-0.005871585	21-Apr-19	3,870.79	2.0668E-05
18-Apr-18	3,709.39	0.003386649	19-Apr-19	3,870.71	0.000617839
17-Apr-18	3,696.87	0.008137375	18-Apr-19	3,868.32	-0.000963314
16-Apr-18	3,667.03	0.004701537	17-Apr-19	3,872.05	-0.002156983
15-Apr-18	3,649.87	5.47968E-06	16-Apr-19	3,880.42	0.000662738
13-Apr-18	3,649.85	-0.001031853	15-Apr-19	3,877.85	0.000296644
12-Apr-18	3,653.62	0.003954133	14-Apr-19	3,876.70	0.000227049
11-Apr-18	3,639.23	-0.003081787	12-Apr-19	3,875.82	0.00309535
10-Apr-18	3,650.48	0.014882053	11-Apr-19	3,863.86	-0.001343996
9-Apr-18	3,596.95	0.005094	10-Apr-19	3,869.06	0.00299676
8-Apr-18	3,578.72	-0.000279351	9-Apr-19	3,857.50	-0.003482322
6-Apr-18	3,579.72	-0.01300019	8-Apr-19	3,870.98	0.002361556
5-Apr-18	3,626.87	0.008063126	7-Apr-19	3,861.86	-2.33043E-05
4-Apr-18	3,597.86	0.004312739	5-Apr-19	3,861.95	0.003734815
3-Apr-18	3,582.41	0.005236058	4-Apr-19	3,847.58	-0.001277093
2-Apr-18	3,563.75	-0.013776003	3-Apr-19	3,852.50	0.006084822
1-Apr-18	3,613.53	5.53478E-06	2-Apr-19	3,829.20	0.00074222
30-Mar-18	3,613.51	0.000878034	1-Apr-19	3,826.36	0.009583012
29-Mar-18	3,610.34	0.01085234	31-Mar-19	3,790.04	0.000292959
28-Mar-18	3,571.58	-0.006210523	29-Mar-19	3,788.93	0.007455682
27-Mar-18	3,593.90	-0.008409714	28-Mar-19	3,760.89	0.002417493
26-Mar-18	3,624.38	0.018190093	27-Mar-19	3,751.82	-0.004301983
25-Mar-18	3,559.63	-0.000176953	26-Mar-19	3,768.03	0.007836886
23-Mar-18	3,560.26	-0.018836414	25-Mar-19	3,738.73	-0.004091537
22-Mar-18	3,628.61	-0.016175605	24-Mar-19	3,754.09	-0.000103876
21-Mar-18	3,688.27	-0.001261871	22-Mar-19	3,754.48	-0.015732116
20-Mar-18	3,692.93	0.001325908	21-Mar-19	3,814.49	0.010105049
19-Mar-18	3,688.04	-0.011996292	20-Mar-19	3,776.33	-0.001525607
18-Mar-18	3,732.82	-1.87522E-05	19-Mar-19	3,782.10	0.002332176

16-Mar-18	3,732.89	8.30525E-05	18-Mar-19	3,773.30	0.003571932
15-Mar-18	3,732.58	0.000337682	17-Mar-19	3,759.87	-0.000239313
14-Mar-18	3,731.32	-0.003565067	15-Mar-19	3,760.77	0.006231471
13-Mar-18	3,744.67	-0.00377243	14-Mar-19	3,737.48	-0.000772651
12-Mar-18	3,758.85	0.003360685	13-Mar-19	3,740.37	0.004776244
11-Mar-18	3,746.26	-1.33465E-05	12-Mar-19	3,722.59	0.00562162
9-Mar-18	3,746.31	0.012043018	11-Mar-19	3,701.78	0.012685308
8-Mar-18	3,701.73	0.006142757	10-Mar-19	3,655.41	0.00010123
7-Mar-18	3,679.13	0.00032899	8-Mar-19	3,655.04	-0.005877633
6-Mar-18	3,677.92	0.006276368	7-Mar-19	3,676.65	-0.008727373
5-Mar-18	3,654.98	0.006629192	6-Mar-19	3,709.02	-0.004623952
4-Mar-18	3,630.91	-0.000123921	5-Mar-19	3,726.25	-0.000691906
2-Mar-18	3,631.36	0.001724086	4-Mar-19	3,728.83	-0.001028754
1-Mar-18	3,625.11	-0.012592133	3-Mar-19	3,732.67	0.000565599
28-Feb-18	3,671.34	-0.010388476	1-Mar-19	3,730.56	0.005566173
27-Feb-18	3,709.88	-0.009126481	28-Feb-19	3,709.91	-0.00437709
26-Feb-18	3,744.05	0.008623291	27-Feb-19	3,726.22	-0.000187823
25-Feb-18	3,712.04	2.69394E-06	26-Feb-19	3,726.92	1.87826E-05
23-Feb-18	3,712.03	0.011791418	25-Feb-19	3,726.85	0.003589586
22-Feb-18	3,668.77	-8.99403E-05	24-Feb-19	3,713.52	-0.000150778
21-Feb-18	3,669.10	-0.002072499	22-Feb-19	3,714.08	0.00698421
20-Feb-18	3,676.72	-0.004079333	21-Feb-19	3,688.32	-0.002377533
19-Feb-18	3,691.78	-0.000941747	20-Feb-19	3,697.11	0.003694855
18-Feb-18	3,695.26	0	19-Feb-19	3,683.50	-6.51512E-05
16-Feb-18	3,695.26	0.001732238	18-Feb-19	3,683.74	0.003175312
15-Feb-18	3,688.87	0.013242104	17-Feb-19	3,672.08	1.36164E-05
14-Feb-18	3,640.66	0.013219562	15-Feb-19	3,672.03	0.005972226
13-Feb-18	3,593.16	0.002751654	14-Feb-19	3,650.23	-0.000618756
12-Feb-18	3,583.30	0.01238321	13-Feb-19	3,652.49	0.003773263
11-Feb-18	3,539.47	-0.000110174	12-Feb-19	3,638.76	0.01228791
9-Feb-18	3,539.86	0.003381586	11-Feb-19	3,594.59	0.001482196
8-Feb-18	3,527.93	-0.025185959	10-Feb-19	3,589.27	2.78616E-05
7-Feb-18	3,619.08	-0.00183136	8-Feb-19	3,589.17	-0.00122163
6-Feb-18	3,625.72	-0.001819769	7-Feb-19	3,593.56	-0.010213075
5-Feb-18	3,632.33	-0.030841107	6-Feb-19	3,630.64	-0.001485132
4-Feb-18	3,747.92	-2.40127E-05	5-Feb-19	3,636.04	0.006608216
2-Feb-18	3,748.01	-0.020737424	4-Feb-19	3,612.17	0.005679651
1-Feb-18	3,827.38	-0.000785821	3-Feb-19	3,591.77	0.000317493
31-Jan-18	3,830.39	-0.000850365	1-Feb-19	3,590.63	0.003008498

30-Jan-18	3,833.65	-0.010351726	31-Jan-19	3,579.86	0.009514624
29-Jan-18	3,873.75	-0.00628997	30-Jan-19	3,546.12	0.013368235
28-Jan-18	3,898.27	-7.69566E-06	29-Jan-19	3,499.34	-0.000145721
26-Jan-18	3,898.30	0.008461839	28-Jan-19	3,499.85	-0.007461374
25-Jan-18	3,865.59	0.000797409	27-Jan-19	3,526.16	0.000541959
24-Jan-18	3,862.51	-0.000980265	25-Jan-19	3,524.25	0.010607182
23-Jan-18	3,866.30	0.005009059	24-Jan-19	3,487.26	0.002942166
22-Jan-18	3,847.03	0.005294282	23-Jan-19	3,477.03	-0.000287519
21-Jan-18	3,826.77	-7.83945E-06	22-Jan-19	3,478.03	-0.011569482
19-Jan-18	3,826.80	0.004936975	21-Jan-19	3,518.74	0.000321241
18-Jan-18	3,808.00	-0.000401624	20-Jan-19	3,517.61	0.000355481
17-Jan-18	3,809.53	0.006419689	18-Jan-19	3,516.36	0.012368285
16-Jan-18	3,785.23	-0.001782705	17-Jan-19	3,473.40	0.005995308
15-Jan-18	3,791.99	0.002978261	16-Jan-19	3,452.70	-0.00070041
14-Jan-18	3,780.73	1.05801E-05	15-Jan-19	3,455.12	0.009873324
12-Jan-18	3,780.69	0.006450222	14-Jan-19	3,421.34	-0.007354883
11-Jan-18	3,756.46	0.003421794	13-Jan-19	3,446.69	0.000214745
10-Jan-18	3,743.65	-0.003481751	11-Jan-19	3,445.95	-0.001153647
9-Jan-18	3,756.73	0.000897862	10-Jan-19	3,449.93	0.002595176
8-Jan-18	3,753.36	0.001708051	9-Jan-19	3,441.00	0.010741886
7-Jan-18	3,746.96	1.60132E-05	8-Jan-19	3,404.43	0.008259935
5-Jan-18	3,746.90	0.007854319	7-Jan-19	3,376.54	0.010247465
4-Jan-18	3,717.70	0.00620607	6-Jan-19	3,342.29	-4.18857E-05
3-Jan-18	3,694.77	0.006231123	4-Jan-19	3,342.43	0.027141062
2-Jan-18	3,671.89	0.009196274	3-Jan-19	3,254.11	-0.020931618
1-Jan-18	3,638.43	-6.0462E-05	2-Jan-19	3,323.68	-0.005451988
			1-Jan-19	3,341.90	1.49618E-05
Average		-0.000241861	Average		0.000824979
Stadev		0.007852618	Stadev		0.006211306

Lampiran 5 Hasil Uji Adf pada ISSI

HASIL UJI ADF PADA ISSI

Null Hypothesis: ISSI has a unit root
 Exogenous: Constant
 Lag Length: 0 (Automatic - based on SIC, maxlag=22)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-34.48875	0.0000
Test critical values:		
1% level	-3.435514	
5% level	-2.863708	
10% level	-2.567974	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(ISSI)
 Method: Least Squares
 Date: 10/02/20 Time: 14:07
 Sample (adjusted): 2 1217
 Included observations: 1216 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
ISSI(-1)	-0.989454	0.028689	-34.48875	0.0000
C	0.000133	0.000258	0.515142	0.6065
R-squared	0.494898	Mean dependent var		-1.11E-05
Adjusted R-squared	0.494482	S.D. dependent var		0.012676
S.E. of regression	0.009013	Akaike info criterion		-6.578724
Sum squared resid	0.098611	Schwarz criterion		-6.570330
Log likelihood	4001.864	Hannan-Quinn criter.		-6.575564
F-statistic	1189.474	Durbin-Watson stat		1.999414
Prob(F-statistic)	0.000000			

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Lampiran 6 Hasil Uji Heteroskedastisitas pada ISSI

HASIL UJI PHILLIPS PERRON TEST PADA ISSI

Null Hypothesis: ISSI has a unit root
 Exogenous: Constant
 Bandwidth: 23 (Newey-West automatic) using Bartlett kernel

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-35.06249	0.0000
Test critical values:		
1% level	-3.435514	
5% level	-2.863708	
10% level	-2.567974	

*MacKinnon (1996) one-sided p-values.

Residual variance (no correction)	8.11E-05
HAC corrected variance (Bartlett kernel)	5.51E-05

Phillips-Perron Test Equation

Dependent Variable: D(ISSI)

Method: Least Squares

Date: 10/23/20 Time: 09:55

Sample (adjusted): 2 1217

Included observations: 1216 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
ISSI(-1)	-0.989454	0.028689	-34.48875	0.0000
C	0.000133	0.000258	0.515142	0.6065
R-squared	0.494898	Mean dependent var		-1.11E-05
Adjusted R-squared	0.494482	S.D. dependent var		0.012676
S.E. of regression	0.009013	Akaike info criterion		-6.578724
Sum squared resid	0.098611	Schwarz criterion		-6.570330
Log likelihood	4001.864	Hannan-Quinn criter.		-6.575564
F-statistic	1189.474	Durbin-Watson stat		1.999414
Prob(F-statistic)	0.000000			

Null Hypothesis: FBMS has a unit root

Exogenous: Constant

Bandwidth: 7 (Newey-West automatic) using Bartlett kernel

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-32.07943	0.0000
Test critical values:		
1% level	-3.435479	
5% level	-2.863693	
10% level	-2.567966	

*MacKinnon (1996) one-sided p-values.

Residual variance (no correction)	3.42E-05
HAC corrected variance (Bartlett kernel)	3.53E-05

Phillips-Perron Test Equation

Dependent Variable: D(FBMS)

Method: Least Squares

Date: 10/23/20 Time: 10:05

Sample (adjusted): 2 1225

Included observations: 1224 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
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FBMS(-1)	-0.915506	0.028586	-32.02616	0.0000
C	-1.55E-05	0.000167	-0.092842	0.9260
R-squared	0.456327	Mean dependent var		-1.42E-05
Adjusted R-squared	0.455882	S.D. dependent var		0.007934
S.E. of regression	0.005852	Akaike info criterion		-7.442365
Sum squared resid	0.041851	Schwarz criterion		-7.434015
Log likelihood	4556.727	Hannan-Quinn criter.		-7.439223
F-statistic	1025.675	Durbin-Watson stat		2.000413
Prob(F-statistic)	0.000000			

Lampiran 7 Hasil Uji Heteroskedastisitas Indeks ISSI

HASIL UJI HETEROSKEDASTISITAS

REGRESI ISSI

Dependent Variable: ISSI
Method: Least Squares
Date: 10/04/20 Time: 08:37
Sample: 1 1217
Included observations: 1217

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.000142	0.000258	0.551007	0.5817
R-squared	0.000000	Mean dependent var		0.000142
Adjusted R-squared	0.000000	S.D. dependent var		0.009010
S.E. of regression	0.009010	Akaike info criterion		-6.580213
Sum squared resid	0.098708	Schwarz criterion		-6.576019
Log likelihood	4005.059	Hannan-Quinn criter.		-6.578634
Durbin-Watson stat	1.977860			

HETEROSKEDASTISITAS ISSI

Heteroskedasticity Test: ARCH

F-statistic	31.89736	Prob. F(1,1214)	0.0000
Obs*R-squared	31.13193	Prob. Chi-Square(1)	0.0000

Test Equation:
Dependent Variable: RESID^2
Method: Least Squares
Date: 10/04/20 Time: 08:39
Sample (adjusted): 2 1217
Included observations: 1216 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	6.81E-05	5.33E-06	12.78303	0.0000

RESID ² (-1)	0.160015	0.028332	5.647775	0.0000
R-squared	0.025602	Mean dependent var		8.11E-05
Adjusted R-squared	0.024799	S.D. dependent var		0.000170
S.E. of regression	0.000168	Akaike info criterion		-14.54800
Sum squared resid	3.41E-05	Schwarz criterion		-14.53961
Log likelihood	8847.186	Hannan-Quinn criter.		-14.54484
F-statistic	31.89736	Durbin-Watson stat		2.024894
Prob(F-statistic)	0.000000			

Lampiran 8 Hasil Uji Efek GARCH Pada ISSI

HASIL UJI EFEK GARCH PADA ISSI

Dependent Variable: ISSI

Method: ML ARCH - Normal distribution (BFGS / Marquardt steps)

Date: 10/02/20 Time: 14:01

Sample (adjusted): 1 1217

Included observations: 1217 after adjustments

Convergence achieved after 31 iterations

Coefficient covariance computed using outer product of gradients

Presample variance: backcast (parameter = 0.7)

GARCH = C(2) + C(3)*RESID(-1)² + C(4)*GARCH(-1)

Variable	Coefficient	Std. Error	z-Statistic	Prob.
C	0.000245	0.000221	1.108929	0.2675
Variance Equation				
C	9.67E-07	4.18E-07	2.313392	0.0207
RESID(-1) ²	0.064654	0.010631	6.081920	0.0000
GARCH(-1)	0.924430	0.012573	73.52275	0.0000
R-squared	-0.000130	Mean dependent var		0.000142
Adjusted R-squared	-0.000130	S.D. dependent var		0.009010
S.E. of regression	0.009010	Akaike info criterion		-6.697427
Sum squared resid	0.098721	Schwarz criterion		-6.680651
Log likelihood	4079.384	Hannan-Quinn criter.		-6.691112
Durbin-Watson stat	1.977603			

Lampiran 9 Hasil Uji Adf pada FBMS

HASIL UJI ADF PADA FBMS

Null Hypothesis: FBMS has a unit root

Exogenous: Constant

Lag Length: 0 (Automatic - based on SIC, maxlag=22)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-32.02616	0.0000
Test critical values: 1% level	-3.435479	
5% level	-2.863693	
10% level	-2.567966	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(FBMS)

Method: Least Squares

Date: 10/02/20 Time: 14:21

Sample (adjusted): 2 1225

Included observations: 1224 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
FBMS(-1)	-0.915506	0.028586	-32.02616	0.0000
C	-1.55E-05	0.000167	-0.092842	0.9260
R-squared	0.456327	Mean dependent var		-1.42E-05
Adjusted R-squared	0.455882	S.D. dependent var		0.007934
S.E. of regression	0.005852	Akaike info criterion		7.442365
Sum squared resid	0.041851	Schwarz criterion		7.434015
Log likelihood	4556.727	Hannan-Quinn criter.		7.439223
F-statistic	1025.675	Durbin-Watson stat		2.000413
Prob(F-statistic)	0.000000			

Lampiran 10 Hasil Uji Phillips Perron Test pada FBMS

HASIL UJI PHILLIPS PERRON TEST PADA FBMS

Null Hypothesis: DJICHKU has a unit root
 Exogenous: Constant
 Bandwidth: 7 (Newey-West automatic) using Bartlett kernel

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-34.66247	0.0000
Test critical values:		
1% level	-3.435445	
5% level	-2.863678	
10% level	-2.567958	

*MacKinnon (1996) one-sided p-values.

Residual variance (no correction)	0.000112
HAC corrected variance (Bartlett kernel)	0.000107

Phillips-Perron Test Equation
 Dependent Variable: D(DJICHKU)
 Method: Least Squares
 Date: 10/23/20 Time: 10:08
 Sample (adjusted): 2 1233
 Included observations: 1232 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DJICHKU(-1)	-0.990667	0.028579	-34.66462	0.0000
C	0.000279	0.000303	0.923294	0.3560
R-squared	0.494168	Mean dependent var		-2.09E-05
Adjusted R-squared	0.493756	S.D. dependent var		0.014918
S.E. of regression	0.010614	Akaike info criterion		-6.251643
Sum squared resid	0.138571	Schwarz criterion		-6.243338
Log likelihood	3853.012	Hannan-Quinn criter.		-6.248519
F-statistic	1201.636	Durbin-Watson stat		1.994918
Prob(F-statistic)	0.000000			

Lampiran 11 Hasil Uji Heteroskedastisitas pada FBMS

HASIL UJI HETEROSKEDASTISITAS PADA FBMS

Dependent Variable: FBMS
 Method: Least Squares
 Date: 10/04/20 Time: 08:55
 Sample: 1 1225
 Included observations: 1225

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.42E-05	0.000168	-0.084514	0.9327
R-squared	0.000000	Mean dependent var		-1.42E-05
Adjusted R-squared	0.000000	S.D. dependent var		0.005869
S.E. of regression	0.005869	Akaike info criterion		-7.437615
Sum squared resid	0.042154	Schwarz criterion		-7.433443
Log likelihood	4556.539	Hannan-Quinn criter.		-7.436045
Durbin-Watson stat	1.826148			

Heteroskedasticity Test: ARCH

F-statistic	49.15406	Prob. F(1,1222)	0.0000
Obs*R-squared	47.33067	Prob. Chi-Square(1)	0.0000

Test Equation:
 Dependent Variable: RESID^2
 Method: Least Squares
 Date: 10/04/20 Time: 08:57
 Sample (adjusted): 2 1225
 Included observations: 1224 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.77E-05	2.31E-06	11.98745	0.0000
RESID^2(-1)	0.197257	0.028135	7.010996	0.0000
R-squared	0.038669	Mean dependent var		3.44E-05
Adjusted R-squared	0.037882	S.D. dependent var		7.49E-05
S.E. of regression	7.34E-05	Akaike info criterion		-16.19896
Sum squared resid	6.59E-06	Schwarz criterion		-16.19061
Log likelihood	9915.762	Hannan-Quinn criter.		-16.19582
F-statistic	49.15406	Durbin-Watson stat		2.055280
Prob(F-statistic)	0.000000			

Lampiran 12 Hasil Uji Efek GARCH Pada FBMS

HASIL UJI GARCH PADA FBMS

Dependent Variable: FBMS
 Method: ML ARCH - Normal distribution (BFGS / Marquardt steps)
 Date: 10/04/20 Time: 08:58
 Sample: 1 1225
 Included observations: 1225
 Convergence achieved after 24 iterations
 Coefficient covariance computed using outer product of gradients
 Presample variance: backcast (parameter = 0.7)
 GARCH = C(2) + C(3)*RESID(-1)^2 + C(4)*GARCH(-1)

Variable	Coefficient	Std. Error	z-Statistic	Prob.
C	5.77E-05	0.000133	0.433094	0.6649
Variance Equation				
C	1.37E-06	3.34E-07	4.097214	0.0000
RESID(-1)^2	0.148679	0.019787	7.513930	0.0000
GARCH(-1)	0.819140	0.022823	35.89046	0.0000
R-squared	-0.000150	Mean dependent var		-1.42E-05
Adjusted R-squared	-0.000150	S.D. dependent var		0.005869
S.E. of regression	0.005869	Akaike info criterion		-7.605952
Sum squared resid	0.042160	Schwarz criterion		-7.589264
Log likelihood	4662.645	Hannan-Quinn criter.		-7.599672
Durbin-Watson stat	1.825873			

Lampiran 13. Hasil Uji Adf pada DJICHKU

DJICHKU

HASIL UJI ADF PADA DJICHKU

Null Hypothesis: DJICHKU has a unit root
 Exogenous: Constant
 Lag Length: 0 (Automatic - based on SIC, maxlag=22)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-34.66462	0.0000
Test critical values:		
1% level	-3.435445	
5% level	-2.863678	
10% level	-2.567958	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(DJICHKU)
 Method: Least Squares
 Date: 10/02/20 Time: 14:37
 Sample (adjusted): 2 1233
 Included observations: 1232 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DJICHKU(-1)	-0.990667	0.028579	-34.66462	0.0000
C	0.000279	0.000303	0.923294	0.3560
R-squared	0.494168	Mean dependent var		-2.09E-05
Adjusted R-squared	0.493756	S.D. dependent var		0.014918
S.E. of regression	0.010614	Akaike info criterion		-6.251643
Sum squared resid	0.138571	Schwarz criterion		-6.243338
Log likelihood	3853.012	Hannan-Quinn criter.		-6.248519
F-statistic	1201.636	Durbin-Watson stat		1.994918
Prob(F-statistic)	0.000000			

Lampiran 14 Hasil Uji Phillips Perron Test pada DJICHKU

HASIL UJI PHILIPS PERRON TEST PADA DJICHKU

Null Hypothesis: DJICHKU has a unit root
 Exogenous: Constant
 Bandwidth: 7 (Newey-West automatic) using Bartlett kernel

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-34.66247	0.0000
Test critical values:		
1% level	-3.435445	
5% level	-2.863678	
10% level	-2.567958	
*MacKinnon (1996) one-sided p-values.		
Residual variance (no correction)		0.000112
HAC corrected variance (Bartlett kernel)		0.000107

Phillips-Perron Test Equation
 Dependent Variable: D(DJICHKU)
 Method: Least Squares
 Date: 10/23/20 Time: 10:08
 Sample (adjusted): 2 1233
 Included observations: 1232 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DJICHKU(-1)	-0.990667	0.028579	-34.66462	0.0000
C	0.000279	0.000303	0.923294	0.3560
R-squared	0.494168	Mean dependent var		-2.09E-05
Adjusted R-squared	0.493756	S.D. dependent var		0.014918
S.E. of regression	0.010614	Akaike info criterion		-6.251643
Sum squared resid	0.138571	Schwarz criterion		-6.243338
Log likelihood	3853.012	Hannan-Quinn criter.		-6.248519

F-statistic	1201.636	Durbin-Watson stat	1.994918
Prob(F-statistic)	0.000000		

Lampiran 15. Hasil Uji Heteroskedastisitas pada DJICHKU

HASIL Uji HETEROSKEDASTISITAS PADA DJICHKU

Dependent Variable: DJICHKU

Method: Least Squares

Date: 10/02/20 Time: 14:42

Sample: 1 1233

Included observations: 1233

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.000282	0.000302	0.935185	0.3499
R-squared	0.000000	Mean dependent var		0.000282
Adjusted R-squared	0.000000	S.D. dependent var		0.010606
S.E. of regression	0.010606	Akaike info criterion		-6.253992
Sum squared resid	0.138583	Schwarz criterion		-6.249841
Log likelihood	3856.586	Hannan-Quinn criter.		-6.252430
Durbin-Watson stat	1.976770			

Heteroskedasticity Test: ARCH

F-statistic	17.62171	Prob. F(1,1230)	0.0000
Obs*R-squared	17.40107	Prob. Chi-Square(1)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 10/02/20 Time: 14:42

Sample (adjusted): 2 1233

Included observations: 1232 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	9.92E-05	7.26E-06	13.66528	0.0000
RESID^2(-1)	0.119092	0.028370	4.197822	0.0000
R-squared	0.014124	Mean dependent var		0.000112
Adjusted R-squared	0.013323	S.D. dependent var		0.000231
S.E. of regression	0.000229	Akaike info criterion		-13.92429
Sum squared resid	6.45E-05	Schwarz criterion		-13.91598
Log likelihood	8579.362	Hannan-Quinn criter.		-13.92116
F-statistic	17.62171	Durbin-Watson stat		2.019443
Prob(F-statistic)	0.000029			

Lampiran 16 Hasil Uji Efek GARCH Pada DJICHKU

HASIL Uji GARCH PADA DJICHKU

Dependent Variable: DJICHKU
 Method: ML ARCH - Normal distribution (BFGS / Marquardt steps)
 Date: 10/04/20 Time: 09:03
 Sample: 1 1233
 Included observations: 1233
 Convergence achieved after 28 iterations
 Coefficient covariance computed using outer product of gradients
 Presample variance: backcast (parameter = 0.7)
 GARCH = C(2) + C(3)*RESID(-1)^2 + C(4)*GARCH(-1)

Variable	Coefficient	Std. Error	z-Statistic	Prob.
C	0.000706	0.000263	2.681763	0.0073
Variance Equation				
C	2.21E-06	6.54E-07	3.381033	0.0007
RESID(-1)^2	0.069913	0.011371	6.148087	0.0000
GARCH(-1)	0.912646	0.013132	69.49851	0.0000
R-squared	-0.001598	Mean dependent var		0.000282
Adjusted R-squared	-0.001598	S.D. dependent var		0.010606
S.E. of regression	0.010614	Akaike info criterion		-6.363466
Sum squared resid	0.138804	Schwarz criterion		-6.346865
Log likelihood	3927.077	Hannan-Quinn criter.		-6.357221
Durbin-Watson stat	1.973617			

Lampiran 17. Hasil Uji Adf pada DJIMI

DJIMI

Null Hypothesis: DJIMI has a unit root
 Exogenous: Constant
 Lag Length: 0 (Automatic - based on SIC, maxlag=23)

	t-Statistic	Prob.*
Augmented Dickey-Fuller test statistic	-33.58685	0.0000
Test critical values:		
1% level	-3.434740	
5% level	-2.863366	
10% level	-2.567791	

*MacKinnon (1996) one-sided p-values.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(DJIMI)
 Method: Least Squares
 Date: 10/02/20 Time: 14:49
 Sample (adjusted): 2 1423
 Included observations: 1422 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DJIMI(-1)	-0.884921	0.026347	-33.58685	0.0000
C	0.000279	0.000180	1.549435	0.1215
R-squared	0.442717	Mean dependent var		5.60E-06
Adjusted R-squared	0.442324	S.D. dependent var		0.009095
S.E. of regression	0.006792	Akaike info criterion		-7.144816
Sum squared resid	0.065501	Schwarz criterion		-7.137418
Log likelihood	5081.964	Hannan-Quinn criter.		-7.142052
F-statistic	1128.077	Durbin-Watson stat		2.000523
Prob(F-statistic)	0.000000			

Lampiran 18 Hasil Uji Phillips Perron Test pada DJIMI

HASIL UJI PHILLIPS PERRON TEST DJIMI

Null Hypothesis: DJIMI has a unit root

Exogenous: Constant

Bandwidth: 14 (Newey-West automatic) using Bartlett kernel

	Adj. t-Stat	Prob.*
Phillips-Perron test statistic	-33.37943	0.0000
Test critical values:		
1% level	-3.434740	
5% level	-2.863366	
10% level	-2.567791	

*MacKinnon (1996) one-sided p-values.

Residual variance (no correction)	4.61E-05
HAC corrected variance (Bartlett kernel)	3.88E-05

Phillips-Perron Test Equation

Dependent Variable: D(DJIMI)

Method: Least Squares

Date: 10/23/20 Time: 10:10

Sample (adjusted): 2 1423

Included observations: 1422 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DJIMI(-1)	-0.884921	0.026347	-33.58685	0.0000
C	0.000279	0.000180	1.549435	0.1215
R-squared	0.442717	Mean dependent var		5.60E-06
Adjusted R-squared	0.442324	S.D. dependent var		0.009095
S.E. of regression	0.006792	Akaike info criterion		-7.144816
Sum squared resid	0.065501	Schwarz criterion		-7.137418

Log likelihood	5081.964	Hannan-Quinn criter.	-7.142052
F-statistic	1128.077	Durbin-Watson stat	2.000523
Prob(F-statistic)	0.000000		

Lampiran 19. Hasil Uji Heteroskedastisitas pada DJIMI

HASIL UJI HETEROSKEDASTISITAS PADA DJIMI

Dependent Variable: DJIMI
Method: Least Squares
Date: 10/04/20 Time: 09:15
Sample: 1 1423
Included observations: 1423

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.000309	0.000181	1.705967	0.0882
R-squared	0.000000	Mean dependent var		0.000309
Adjusted R-squared	0.000000	S.D. dependent var		0.006836
S.E. of regression	0.006836	Akaike info criterion		7.132555
Sum squared resid	0.066449	Schwarz criterion		7.128858
Log likelihood	5075.813	Hannan-Quinn criter.		7.131174
Durbin-Watson stat	1.768817			

Heteroskedasticity Test: ARCH

F-statistic	42.41128	Prob. F(1,1420)	0.0000
Obs*R-squared	41.23931	Prob. Chi-Square(1)	0.0000

Test Equation:
Dependent Variable: RESID^2
Method: Least Squares
Date: 10/04/20 Time: 09:15
Sample (adjusted): 2 1423
Included observations: 1422 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3.87E-05	3.16E-06	12.25059	0.0000
RESID^2(-1)	0.170305	0.026151	6.512394	0.0000
R-squared	0.029001	Mean dependent var		4.67E-05
Adjusted R-squared	0.028317	S.D. dependent var		0.000112
S.E. of regression	0.000110	Akaike info criterion		15.39206
Sum squared resid	1.72E-10	Schwarz criterion		15.38466
Log likelihood	10945.76	Hannan-Quinn criter.		15.38930
F-statistic	42.41128	Durbin-Watson stat		2.053764
Prob(F-statistic)	0.000000			

Lampiran 20. Hasil Uji Efek GARCH Pada DJIMI

HASIL UJI GARCH PADA DJIMI

Dependent Variable: DJIMI

Method: ML ARCH - Normal distribution (BFGS / Marquardt steps)

Date: 10/04/20 Time: 09:16

Sample: 1 1423

Included observations: 1423

Convergence achieved after 20 iterations

Coefficient covariance computed using outer product of gradients

Presample variance: backcast (parameter = 0.7)

GARCH = C(1) + C(2)*RESID(-1)^2 + C(3)*GARCH(-1)

Variable	Coefficient	Std. Error	z-Statistic	Prob.
Variance Equation				
C	2.02E-06	4.17E-07	4.838365	0.0000
RESID(-1)^2	0.171970	0.018623	9.234477	0.0000
GARCH(-1)	0.796480	0.020115	39.59630	0.0000
R-squared	-0.002047	Mean dependent var		0.000309
Adjusted R-squared	-0.001342	S.D. dependent var		0.006836
S.E. of regression	0.006840	Akaike info criterion		7.331242
Sum squared resid	0.066585	Schwarz criterion		7.320151
Log likelihood	5219.178	Hannan-Quinn criter.		-

7.327099

Durbin-Watson stat 1.765204

Lampiran 21 Hasil Uji Normalitas kinerja saham dengan metode Sharpe

	Normalitas Metode Sharpe			
	ISSI	FBMS	DJIMI	DJICHKU
Mean	-6.76417	-6.05357	-4.59536	-4.30075
Median	-6.55388	-5.43686	-4.34459	-4.47349
Maximum	-5.19627	-0.47531	-0.36555	-0.41731
Minimum	-8.20584	-11.5607	-8.99755	-7.13298
Std. Dev.	1.195908	4.221786	3.072825	2.450733
Skewness	0.050821	-0.01045	-0.09315	0.664739
Kurtosis	1.701532	1.905832	2.438686	2.53455
Jarque-Bera	0.353406	0.249508	0.072871	0.413366
Probability	0.838029	0.882714	0.96422	0.813277
Sum	-33.8209	-30.2678	-22.9768	-21.5037
Sum Sq. Dev.	5.720783	71.29392	37.76901	24.02438
Observations	5	5	5	5

Lampiran 22. Hasil Uji Normalitas kinerja saham dengan metode Treynor

	Normalitas Metode Treynor			
	ISSI	FBMS	DJIMI	DJICHKU
Mean	-0.2352	-0.21859	-0.53653	-3.12322
Median	-0.05713	-0.03813	-0.73405	-1.20827
Maximum	-0.04763	-0.00356	0.385796	-0.02724
Minimum	-0.94223	-0.97029	-1.45736	-11.2032
Std. Dev.	0.395357	0.420547	0.869209	4.602261
Skewness	-1.49785	-1.49401	0.157488	-1.36714
Kurtosis	3.247107	3.242183	1.26886	3.065343
Jarque-Bera	1.882361	1.872263	0.645012	1.558442
Probability	0.390167	0.392142	0.724332	0.458763

Sum	-1.17599	-1.09295	-2.68265	-15.6161
Sum Sq. Dev.	0.625227	0.707438	3.022098	84.72322
Observations	5	5	5	5

Lampiran 23 Hasil Uji Normalitas kinerja saham dengan metode Jensen

	Normalitas Metode Jensen			
	ISSI	FBMS	DJIMI	DJICHKU
Mean	-0.00072	-0.00325	-0.02772	-0.03974
Median	-0.00147	-9.74E-05	-0.034	-0.04823
Maximum	0.002339	0.001471	-0.00296	-0.00448
Minimum	-0.00393	-0.01159	-0.03569	-0.0512
Std. Dev.	0.002821	0.005649	0.013965	0.019782
Skewness	0.130789	-0.66038	1.435861	1.472039
Kurtosis	1.333048	1.772845	3.158102	3.213953
Jarque-Bera	0.593157	0.677154	1.723289	1.815286
Probability	0.743357	0.712784	0.422467	0.403474
Sum	-0.0036	-0.01623	-0.1386	-0.19869
Sum Sq. Dev.	3.18E-05	0.000128	0.00078	0.001565
Observations	5	5	5	5

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Lampiran 24. Hasil Uji Beda

HASIL UJI BEDA

Multivariate Tests^b

Effect		Value	F	Hypothesis df	Error df	Sig.
kinerja	Pillai's Trace	.814	39.378 ^a	2.000	18.000	.000
	Wilks' Lambda	.186	39.378 ^a	2.000	18.000	.000
	Hotelling's Trace	4.375	39.378 ^a	2.000	18.000	.000
	Roy's Largest Root	4.375	39.378 ^a	2.000	18.000	.000

a. Exact statistic

Tests of Within-Subjects Contrasts

Measure:Negara						
Source	kinerja	Type III Sum of Squares	df	Mean Square	F	Sig.
kinerja	Linear	265.311	1	265.311	83.125	.000
	Quadratic	32.652	1	32.652	7.545	.013
Error (kinerja)	Linear	60.642	19	3.192		
	Quadratic	82.225	19	4.328		

b. Design: Intercept

Within Subjects Design: kinerja

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Lampiran 25 Hasil Uji *Tukey Multiple Comparison***Multiple Comparisons**

Tukey HSD

Dependent Variable	(I) kinerjaA	(J) kinerjaA	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
ISSI	sharpe	treynor	-6.52897200 [*]	.45992905	.000	-7.7560000	-5.3019440
		jensen	-6.76345043 [*]	.45992905	.000	-7.9904784	-5.5364224
	treynor	sharpe	6.52897200 [*]	.45992905	.000	5.3019440	7.7560000
		jensen	-.23447843	.45992905	.868	-1.4615064	.9925496
	jensen	sharpe	6.76345043 [*]	.45992905	.000	5.5364224	7.9904784
		treynor	.23447843	.45992905	.868	-.9925496	1.4615064
FBMS	sharpe	treynor	-6.21297200 [*]	1.78583074E0	.012	-10.9773249	-1.4486191
		jensen	-6.42831542 [*]	1.78583074E0	.009	-11.1926683	-1.6639625
	treynor	sharpe	6.21297200 [*]	1.78583074E0	.012	1.4486191	10.9773249
		jensen	-.21534342	1.78583074E0	.992	-4.9796963	4.5490095
	jensen	sharpe	6.42831542 [*]	1.78583074E0	.009	1.6639625	11.1926683
		treynor	.21534342	1.78583074E0	.992	-4.5490095	4.9796963
DJICHKU	sharpe	treynor	-1.17753000	1.90393594E0	.813	-6.2569715	3.9019115
		jensen	-4.26101074	1.90393594E0	.105	-9.3404522	.8184308
	treynor	sharpe	1.17753000	1.90393594E0	.813	-3.9019115	6.2569715
		jensen	-3.08348074	1.90393594E0	.275	-8.1629222	1.9959608
	jensen	sharpe	4.26101074	1.90393594E0	.105	-.8184308	9.3404522
		treynor	3.08348074	1.90393594E0	.275	-1.9959608	8.1629222
DJIMI	sharpe	treynor	-4.05883320 [*]	1.16607440E0	.012	-7.1697607	-.9479057
		jensen	-4.56764456 [*]	1.16607440E0	.005	-7.6785721	-1.4567171
	treynor	sharpe	4.05883320 [*]	1.16607440E0	.012	.9479057	7.1697607
		jensen	-.50881136	1.16607440E0	.901	-3.6197389	2.6021161
	jensen	sharpe	4.56764456 [*]	1.16607440E0	.005	1.4567171	7.6785721
		treynor	.50881136	1.16607440E0	.901	-2.6021161	3.6197389

*. The mean difference is significant at the 0.05 level.

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