

MODULE HANDBOOK

**FINANCIAL  
ANALYSIS**



**BACHELOR DEGREE PROGRAM**

**DEPARTMENT OF STATISTICS**

**FACULTY OF SCIENCE AND DATA ANALYTICS**

**INSTITUT TEKNOLOGI SEPULUH NOPEMBER**

## ENDORSEMENT

### PAGE



# MODULE HANDBOOK FINANCIAL ANALYSIS DEPARTMENT OF STATISTICS

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Proses <i>Process</i>	Penanggung Jawab <i>Person in Charge</i>			Tanggal <i>Date</i>
	Nama <i>Name</i>	Jabatan <i>Position</i>	Tanda tangan <i>Signature</i>	
Perumus <i>Preparation</i>	Dr. Drs. Agus Suharsono, MS	Dosen <i>Lecturer</i>		March 28, 2019
Pemeriks a dan Pengend alian <i>Review and Control</i>	Dr. Drs. Agus Suharsono, MS Dr.rer pol. Dedy Dwi Prastyo, S.Si, M.Si	Tim kurikulum <i>Curriculum team</i>		April 15, 2019
Persetujuan <i>Approval</i>	Dr. Ir. Setiawan, M.S	Koordinator RMK <i>Course Cluster Coordinator</i>		July 17, 2019
Penetapan <i>Determination</i>	Dr. Dra. Kartika Fithriasari, M.Si	Kepala Departemen <i>Head of Department</i>		July 30, 2019

# MODULE HANDBOOK

## FINANCIAL ANALYSIS

Module name	<b>Financial Analysis</b>
Module level	Undergraduate
Code	KS184539
Course (if applicable)	Financial Analysis
Semester	Sixth Semester (Genap)
Person responsible for the module	Dr. Drs. Agus Suharsono, MS
Lecturer	Dr. Drs. Agus Suharsono, MS Dr.rer pol. Dedy Dwi Prastyo, S.Si, M.Si
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, <b>elective</b> , 6 <sup>th</sup> semester.
Type of teaching, contact hours	Lectures, <50 students
Workload	<ol style="list-style-type: none"> <li>1. Lectures : 3 x 50 = 150 minutes per week.</li> <li>2. Exercises and Assignments : 3 x 60 = 180 minutes (3 hours) per week.</li> <li>3. Private learning : 3 x 60 = 180 minutes (3 hours) per week.</li> </ol>
Credit points	3 credit points (sks)
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.

Mandatory prerequisites	Introduction to Economy Theory	
Learning outcomes and their corresponding to PLOs	CLO.1 Able to make a model and interpret economic phenomena CLO.2 Able to analyze financial reports	PLO.1
	CLO.3 Able to apply risk theory to analyze data in the financial industry CLO.4 Able to identify, formulate and solve problems in the financial industry	PLO.3
	CLO.7 Able to communicate effectively and work together in interdisciplinary and multidisciplinary teams CLO.8 Have professional responsibilities and ethics CLO.9 Able to motivate yourself to think creatively and learn throughout life	PLO.4
Content	<p>Financial analysis courses have material aimed at making students familiar with investment instruments, including financial markets and their products, understanding national and international macroeconomic dynamics and their relationship to returns on investment products. In addition, students are also introduced to company financial reports and financial ratios. Students are expected to be able to apply the statistical method for technical analysis in financial markets and to be able to calculate credit risk. The learning strategy is regular lectures, guest lectures from practitioners, visits to the Surabaya Stock Exchange, and project assignments. Meanwhile, evaluation through exams (written / oral) and project delivery.</p>	
Study and examination requirements and forms of examination	<ul style="list-style-type: none"> <li>● In-class exercises</li> <li>● Mid-term examination</li> <li>● Final examination</li> </ul>	
Media employed	LCD, whiteboard, websites (myITS Classroom), zoom.	

Reading list	<ol style="list-style-type: none"><li>1. Borak, S., Härdle, W., and Hafner, C. 2011. <i>Statistics of Financial Market: An Introduction</i>. 3rd edition. Springer.</li><li>2. Franke, J., Härdle, W., and Cabrera, B-L. 2010. <i>Statistics of Financial Market: Exercise and Solution</i>. Springer.</li><li>3. Härdle, W., Hautsch, N., and Overbeck L. 2008. <i>Applied Quantitative Finance</i>. 2nd edition. Springer.</li><li>4. Prihadi, T., 2011. <i>Analisis Laporan Keuangan: Teori dan Aplikasi</i>. PPM Manajemen.</li><li>5. Tandelilin, E. 2010. <i>Potfolio dan Investasi</i>. Yogyakarta : Kanisius.</li></ol>
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**RENCANA PEMBELAJARAN SEMESTER (RPS)**  
***SEMESTER LEARNING PLAN***



	Program Studi	Sarjana, Departemen Statistika, FSAD-ITS
	Mata Kuliah	Analisis Finansial
	Kode Mata Kuliah	KS184639
	Semester/SKS	VI/3
	MK Prasyarat	-
RP-S1	Dosen Pengampu	Dr. Drs. Agus Suharsono, MS Dr.rer pol. Dedy Dwi Prastyo, S.Si, M.Si

<b>Bahan Kajian</b> <i>Study Materials</i>	Teori Statistika, Deskripsi dan Eksplorasi, Pemodelan, Industri dan Bisnis, Ekonomi dan Manajemen  <i>Statistical Theory, Description and Exploration, Modeling, Industry and Business, Economics and Management</i>
<b>CPL yang dibebankan MK</b> <i>PLO</i>	CPL-1 Mampu menerapkan pengetahuan teori statistika, matematika, dan komputasi CPL-3 Mampu menganalisis data dengan metode statistika yang tepat dan menginterpretasikannya CPL-4 Mampu mengidentifikasi, memformulasi, dan menyelesaikan masalah statistika di berbagai bidang terapan  <i>PLO.1 Able to apply knowledge of statistical theory, mathematics, and computation</i> <i>PLO.3 Able to analyze data with appropriate statistical methods and interpret them</i> <i>PLO.4 Able to identify, formulate, and solve statistical problems in various applied fields</i>



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<b>CP-MK</b> <i>CLO</i>	<p>CPMK.1 Mampu memodelkan dan menginterpretasikan fenomena ekonomi</p> <p>CPMK.2 Mampu menganalisis laporan keuangan</p> <p>CPMK.3 Mampu menerapkan teori resiko untuk menganalisis data di industri keuangan</p> <p>CPMK.4 Mampu mengidentifikasi,memformulasi, dan menyelesaikan masalah di industri keuangan</p> <p>CPMK.6 Memiliki pengetahuan tentang isu terkini dan mendatang yang berkaitan dengan industri keuangan</p> <p>CPMK.7 Mampu berkomunikasi secara efektif dan bekerjasama dalam tim yang interdisiplin dan multidisiplin</p> <p>CPMK.8 Memiliki tanggung jawab dan etika profesi</p> <p>CPMK.9 Mampu memotivasi diri untuk berpikir kreatif dan belajar sepanjang hayat</p> <p><i>CLO.1 Able to make a model and interpret economic phenomena</i></p> <p><i>CLO.2 Able to analyze financial reports</i></p> <p><i>CLO.3 Able to apply risk theory to analyze data in the financial industry</i></p> <p><i>CLO.4 Able to identify, formulate and solve problems in the financial industry</i></p> <p><i>CLO.6 Have knowledge of current and upcoming issues related to the financial industry</i></p> <p><i>CLO.7 Able to communicate effectively and work together in interdisciplinary and multidisciplinary teams</i></p> <p><i>CLO.8 Have professional responsibilities and ethics</i></p> <p><i>CLO.9 Able to motivate yourself to think creatively and learn throughout life</i></p>
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Pertemuan <i>Meeting</i>	Kemampuan Akhir Sub CP-MK <i>Final Ability</i>	Keluasan (materi pembelajaran) <i>Extent (learning material)</i>	Metode Pembelajaran <i>Learning methods</i>	Estimasi Waktu <i>Duration</i>	Bentuk Evaluasi <i>Evaluation Type</i>	Kriteria dan Indikator Penilaian <i>Assessment Criteria and Indicators</i>	Bobot Penilaian <i>Scoring</i>
1	Mengenal instrumen investasi  <i>Get to know investment instruments</i>	Pengertian investasi, instrumen investasi: cash dan deposito, nilai tukar rupiah terhadap mata uang asing, properti, obligasi, reksadana, saham, asuransi, logam mulia, karya seni, investasi diri  <i>The definition of investment, investment instruments: cash and deposits, the exchange rate of rupiah against foreign currencies, property, bonds, mutual funds, stocks, insurance, precious metals, works of art, self-investment</i>	Ceramah Interaktif-Latihan Soal Diskusi (CILSD), Problem-based learning (PBL)  <i>Interactive Lecture - Discussion Problem Exercises (CILSD),</i>	150 menit  <i>150 Minutes</i>	Tes lisan, observasi Aktifitas di kelas  <i>Oral test, observation of classroom activities</i>	1. Dapat menjelaskan pengertian investasi 2. Mampu menyebutkan dan menjelaskan instrumen-instrumen investasi  <i>1. Can explain the definition of investment 2. Able to mention and explain</i>	5%/5%



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			<i>Problem-based learning (PBL)</i>			<i>investment instruments</i>	
2	<p>Mampu menjelaskan mengapa investasi diperlukan, inflasi, dan keterkaitannya dengan indikator-indikator makro ekonomi.</p> <p><i>Able to explain why investment is needed, inflation, and its relationship with macroeconomic indicators.</i></p>	<p>Penjelasan mengenai inflasi dan keterkaitannya dengan kesejahteraan, penjelasan mengenai indikator-indikator makroekonomi yang dapat mempengaruhi inflasi</p> <p><i>An explanation of inflation and its relation to welfare, an explanation of the macroeconomic indicators that can affect inflation</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>1. Mampu menjelaskan makna inflasi</p> <p>2. Mampu menjelaskan keterkaitan antara inflasi dan kesejahteraan</p> <p>3. Mampu menjelaskan indikator-indikator makroekonomi</p> <p><i>1. Able to explain the meaning of inflation</i></p> <p><i>2. Able to explain the relationship between inflation and welfare</i></p>	5%/10%



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						<i>3. Able to explain macroeconomic indicators</i>	
3	<p>Mampu menjelaskan tentang Multi Level Marketing (MLM), skema piramida, skema ponzi, dan saham, serta persamaan dan perbedaan antara ketiganya</p> <p><i>Able to explain Multi Level Marketing (MLM), pyramid schemes, ponzi schemes, and stocks, as well as the similarities and differences between the three.</i></p>	<p>Penjelasan mengenai MLM, skema piramida / ponzi, saham berikut persamaan dan perbedaan di antara ketiganya</p> <p><i>An explanation of MLM, pyramid / ponzi schemes, stocks and similarities and differences between the three</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>1. Mampu menjelaskan tentang MLM</p> <p>2. Mampu menjelaskan tentang skema piramida dan skema ponzi</p> <p>3. Mampu menjelaskan tentang saham secara umum</p> <p>4. Mampu menjelaskan persamaan MLM, skema piramida / ponzi</p> <p>5. Mampu menjelaskan perbedaan MLM,</p>	10%/20%



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							<p>skema piramida / ponzi, dan saham</p> <ol style="list-style-type: none"><li>1. Able to explain about MLM</li><li>2. Able to explain pyramid schemes and ponzi schemes</li><li>3. Able to explain about stocks in general</li><li>4. Able to explain MLM equations, pyramid / ponzi schemes</li><li>5. Able to explain the differences in MLM, pyramid / ponzi schemes, and stocks</li></ol>	
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<b>4</b>	<p>Mampu menjelaskan mengapa harga minyak internasional dan harga emas internasional bisa berfluktuasi dan keterkaitannya dengan nilai tukar mata uang utama dunia</p> <p><i>Able to explain why international oil prices and international gold prices can fluctuate and their relation to the exchange rates of major world currencies</i></p>	<p>Penjelasan mengenai skema harga minyak internasional dan harga emas internasional serta keterkaitannya dengan nilai tukar mata uang utama dunia</p> <p><i>An explanation of the international oil price scheme and international gold price and its relation to the exchange rates of major world currencies</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>1. Dapat menjelaskan fluktuasi harga minyak internasional</p> <p>2. Dapat menjelaskan fluktuasi harga emas internasional</p> <p>3. Dapat menjelaskan keterkaitan harga minyak, harga emas, dan nilai tukar mata uang utama dunia</p> <p><i>1. Can explain fluctuations in international oil prices</i></p> <p><i>2. Can explain fluctuations in</i></p>	<p>10%/30%</p>
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						<i>international gold prices</i> <i>3. Can explain the relationship between oil prices, gold prices and the exchange rates of major world currencies</i>	
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5	<p>Mampu menjelaskan dinamika nilai investasi properti</p> <p><i>Able to explain the dynamics of property investment value</i></p>	<p>Penjelasan mengenai bentuk-bentuk investasi di bidang properti dan potensi imbal hasilnya beserta perkembangan terkini</p> <p><i>An explanation of the forms of investment in the property sector and the potential returns along with the latest developments</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>1. Dapat menjelaskan bentuk-bentuk investasi properti dan potensi imbal hasilnya</p> <p>2. Dapat menjelaskan tentang krisis finansial akibat <i>subprime-mortgage</i> Mengetahui perkembangan terkini pertumbuhan nilai aset properti</p> <p><i>1. Can explain the forms of property investment and the potential returns</i></p> <p><i>2. Can explain the financial crisis due</i></p>	<p>5%/35%</p>
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						<i>to subprime-mortgage . Knowing the latest developments in the value growth of property assets</i>	
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6	<p>Mampu menjelaskan tentang jenis-jenis saham termasuk saham syariah</p> <p><i>Able to explain the types of stocks, including Islamic stocks</i></p>	<p>Penjelasan mengenai jenis-jenis dan istilah populer di pasar saham, mitos-mitos tentang saham, strategi investasi saham, dan saham syariah</p> <p><i>An explanation of the types and popular terms in the stock market, myths about stocks, stock investment strategies, and Islamic stocks</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<ol style="list-style-type: none"> <li>1. Dapat menjelaskan jenis-jenis saham</li> <li>2. Dapat menjelaskan istilah-istilah populer di dalam pasar saham</li> <li>3. Dapat menjelaskan fenomena dan mitos yang ada di pasar saham</li> <li>4. Dapat menjelaskan hal-hal yang perlu diketahui sebelum investasi saham</li> <li>5. Dapat menjelaskan tentang saham syariah</li> </ol>	<p>10%/45%</p>
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						<ol style="list-style-type: none"> <li>1. Can explain the types of stocks</li> <li>2. Can explain popular terms in the stock market</li> <li>3. Can explain phenomena and myths that exist in the stock market</li> <li>4. Can explain things that need to be known before investing in stocks</li> <li>5. Can explain about Islamic stocks</li> </ol>	
<b>7</b>	<p>Mampu menjelaskan mengenai jenis-jenis obligasi dan pemodelan imbal hasilnya (kupon)</p> <p><i>Able to explain the types of bonds and yield modeling (coupons).</i></p>	<p>Penjelasan tentang jenis-jenis obligasi, obligasi syariah, dan pemodelan imbal hasil</p> <p><i>An explanation of the types of bonds, Islamic bonds, and yield modeling</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of</i></p>	<ol style="list-style-type: none"> <li>1. Dapat menjelaskan tentang jenis-jenis obligasi, termasuk obligasi syariah (sukuk)</li> <li>2. Dapat memodelkan</li> </ol>	5%/50%



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					<i>classroom activities</i>	imbal hasil (kupon) obligasi  <i>1. Can explain the types of bonds, including Islamic bonds (sukuk). 2. Can model bond yields (coupons)</i>	
8	ETS						



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<b>9</b>	<p>Mampu menjelaskan tentang produk asuransi dan unit link (<i>hybrid product</i>)</p> <p><i>Able to explain insurance products and unit-linked (hybrid products).</i></p>	<p>Penjelasan mengenai asuransi, asuransi syariah, dan produk hibrid (<i>unit link</i>)</p> <p><i>Description of insurance, sharia insurance, and hybrid products (unit link)</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>1. Mampu menjelaskan tentang produk asuransi dan produk hibrid (<i>unit link</i>)</p> <p>2. Mampi menjelaskan tentang asuransi syariah</p> <p><i>1. Able to explain insurance products and hybrid products (unit link)</i></p> <p><i>2. Able to explain about Islamic insurance</i></p>	<p>5%/55%</p>
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<b>10</b>	<p>Mampu menjelaskan tentang reksadana</p> <p><i>Able to explain about mutual funds</i></p>	<p>Penjelasan tentang reksadana</p> <p><i>Explanation of mutual funds</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>Mampu menjelaskan produk-produk reksadana</p> <p><i>Able to explain mutual fund products</i></p>	5%/60%
<b>11,12</b>	<p>Mampu memahami karakteristik data finansial</p> <p><i>Able to understand the characteristics of financial data</i></p>	<p>Penjelasan mengenai karakteristik data return saham</p> <p><i>Explanation of the characteristics of stock return data</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>300 menit</p> <p><i>300 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>1. Dapat memahami karakteristik data return saham</p> <p>2. Dapat memahami distribusi data return saham</p> <p><i>1. Can understand the characteristics of stock return data</i></p>	10%/70%



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						<i>2. Can understand the distribution of stock return data</i>	
<b>13</b>	<p>Mampu menganalisis laporan keuangan perusahaan secara umum</p> <p><i>Able to analyze company financial reports in general</i></p>	<p>Penjelasan mengenai laporan keuangan perusahaan secara umum</p> <p><i>A description of the company's financial statements in general</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>Dapat memahami struktur laporan keuangan perusahaan</p> <p><i>Can understand the structure of the company's financial statements</i></p>	<p>5%/75%</p>



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	Semester/SKS	VI/3
	MK Prasyarat	-
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<b>14</b>	<p>Memahami konsep dasar analisis rasio keuangan</p> <p><i>Understand the basic concepts of financial ratio analysis</i></p>	<p>Penjelasan mengenai dasar-dasar rasio keuangan meliputi rasio aktivitas, profitabilitas, likuiditas, dan solvabilitas</p> <p><i>An explanation of the basics of financial ratios includes activity ratios, profitability, liquidity and solvency</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>Dapat memahami dan menjelaskan dasar-dasar rasio keuangan meliputi rasio aktivitas, profitabilitas, likuiditas, dan solvabilitas</p> <p><i>Can understand and explain the basics of financial ratios including activity ratios, profitability, liquidity, and solvency</i></p>	<p>15%/90%</p>
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15	<p>Dapat menghitung resiko kredit (probabilitas <i>default</i>) dan menganalisisnya</p> <p><i>Can calculate credit risk (default probability) and analyze it</i></p>	<p>Penjelasan mengenai metode klasifikasi untuk menghitung resiko kredit</p> <p><i>A description of the classification method for calculating credit risk</i></p>	<p>CILSD, PBL</p> <p><i>CILSD, PBL</i></p>	<p>150 menit</p> <p><i>150 Minutes</i></p>	<p>Tes lisan, observasi Aktifitas di kelas</p> <p><i>Oral test, observation of classroom activities</i></p>	<p>1. Dapat menghitung resiko kredit menggunakan metode klasifikasi</p> <p>2. Dapat memeberikan interpretasi terhadap hasil analisis resiko kredit</p> <p><i>Can calculate credit risk using the classification method</i></p> <p><i>Can provide interpretation of the results of credit risk analysis</i></p>	<p>10%/100%</p>
16	EAS						

PUSTAKA/ REFERENCES:



	Program Studi	Sarjana, Departemen Statistika, FSAD-ITS
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	MK Prasyarat	-
<b>RP-S1</b>	Dosen Pengampu	Dr. Drs. Agus Suharsono, MS Dr.rer pol. Dedy Dwi Prastyo, S.Si, M.Si

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2. Borak, S., Härdle, W., and Hafner, C. (2011), *Statistics of Financial Market: An Introduction*, 3<sup>rd</sup> ed., Springer.
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