CHAPTER V

CONCLUSION

This chapter is a concluding chapter that presents all summaries of the results of calculations and data analysis as a conclusion. This chapter also presents research limitations, research implications, and suggestions that can be used as solutions to the development of future research.

5.1. Conclusion

Based on the results of statistical analysis of the effect of inflation, exchange rates, and interest rates on CSPI, the results of the research can be drawn with the following conclusions:

1. Inflation has no significant effect on the Composite Stock Price Index on IDX. This is indicated by the regression coefficient obtained in the amount of -55 428 and t value of -1433 (see Table 4.7) with a probability of error rate compared to 0156 is greater than the expected level of significance is 0:05 (Ho accepted).
2. Exchange rates have a negative and significant effect on the Composite Stock Price Index on the IDX. This is indicated by the regression coefficient obtained which is equal to 0.122 and t count of -3.038 (see Table 4.7) with the probability of an error rate of 0.003 smaller than the expected level of significance which is less than 0.05 (H_2 accepted).
3. Interest rates affect the Composite Stock Price Index on IDX. This is indicated by the regression coefficient obtained at -258,366 and t count of

-5,076 (see Table 4.7) with a probability of 0,000 smaller than the expected significance level of less than 0.05 (H_3 accepted).

5.2. Research Limitations

This research can not be separated from the limitations, including the following:

1. The observation period used is only five years, during 2013-2018. If the period used is longer, we can find out more details about the factors that affect the CSPI and the level of accuracy will be higher than the data from this study which was only five years.
2. The study only uses variables of inflation, exchange rates, and interest rates in the influence test on CSPI.
3. This study does not pay attention to the company's fundamental factors such as profit, loss, and internal factors, so it only looks at the macroeconomic angle.

5.3. Suggestion

Based on the conclusions and limitations that exist in this study, the suggestions put forward by the researcher are as follows:

1. For the next researchers, it is expected to be able to expand the boundaries in this study, such as extending the study period, adding to the variables studied and using other proxies from this study. The implications of this research is can be used as a literature review and can also be used as a reference to conduct further research. Researchers then an make this research as a basis for further research or continue this research using a large sample of respondent to get maximum results.

2. For researchers with similar topics it is recommended to conduct a study further by including other independent variables, such as gross domestic product, unemployment rate, gold price, foreign exchange reserves, and external factors originating from abroad such as growth world economy, world oil prices and others.
3. The government and related institutions as regulators, especially the authorized Bank Indonesia, should always issue policies that can truly maintain economic stability in order to avoid fluctuations in macro factors, such as targeting low inflation, stabilizing interest rates and the Rupiah exchange rate against the US Dollar, considering changes in these variables affect CSPI. In order not to harm economic actors.
4. Investors need to pay attention to fluctuations in bank interest rates and the exchange rate of the Rupiah against the US Dollar. This must be done because the results of the analysis prove that these two factors significantly influence the Composite Stock Price Index (CSPI). Thus investors can avoid losses due to the fall of the CSPI which has an impact on the fall of stock prices in general and vice versa can benefit if it can predict the positive impact of interest rate and exchange rate fluctuations on the CSPI.

REFERENCES

Achmad, K. (2001). How to Use and Mean Assumption Analysis. *First print. Bandung: ALFABETA.*

Agustina. (2016). Analysis of factors that influence earnings growth with company size as a moderating variable in manufacturing companies listed on the Indonesia Stock Exchange. *Mikroskil Economic Entrepreneur Journal*, 85-101.

Akyuwen, R. (2005). Effectiveness of Financial Institutions.

Alireza Nasseh and Jack Strauss. (2000). Stock prices and domestic and international macroeconomic activity: a cointegration approach. *The Quarterly Review of Economics and Finance*, 229-245.

Aliyah. (2016). The Effect of Inflation and BI Rate to CSPI Jakarta Islamic Index (JII) Year 2012-2014.

Ang, R. (2010). *Indonesian Smart Book Capital Market edition 7.* Jakarta: Media Soft Indonesia.

Barbara G. Tabachnick and Linda S. Fidell. (2007). *Using Multivariate Statistics, Fourth Edition.* MA: Allyn & Bacon.

Cahya. (2015). The Influence of Rupiah Exchange Rates and Inflation on Price Index of Property and Real Estate Sector Listed at IDX in 2011-2013. *e-Journal Bisma University of Education*, 1-8.

Cooper and Schindler. (2011). *Business Research Methods. 11th Edition.* Boston: McGraw Hill.

Drs. Abdul Halim, M.M.,Ak. (2016). Business Financial Management.

Ghozali, I. (2011). *"Application of Multivariate Analysis with SPSS Program".* Semarang: Badan Penerbit Universitas Diponegoro.

Gujarati, D. (2003). *Basic Econometrics. 4th Edition.* New York: McGraw-Hill.

Hasan, I. (2016). *Principal Material Statistics 1 (Descriptive Statistics). Edition Second.* Jakarta: PT. Bumi Aksara.

Indonesia Stock Exchange. (t.thn.). Diambil kembali dari www.idx.co.id.

Joesoef, J. R. (2008). *Capital Market and Foreign Exchange Market.* Jakarta: Salemba Empat.

Kuncoro, M. (2001). Quantitative methods: Theories and applications for business and economics.

Mark J. Flannery and Aris Protopapadakis. (2002). *Macroeconomic Factors Do Influence Aggregate Stock Returns.*

Maslikha,H; Puspitaningtyas, Z; & Prakoso, A. (2017). Effect Inflationand BI Rates Toward CSPI (Case Study of Property and Real Estate Companies Registered at IDX Period 2011-2015). *Business Administration Journal*, 62-67.

Maurina. (2015). Influence of Inflation, Rupiah Exchange Rate and BI Rate Interest Rate on Composite Stock Price Index (Case Study on IDX Period 2010-2014). *Business Administration Journal*, 1-7.

Naka, M. a. (1995). Dynamic Relations between Macroeconomic Variables and the Japanese Stock Market: An Application of a Vector Error Correction Model. *Journal of Financial Research.*

Novitasari. (2015). The Effect of Inflation, Indonesian Crude Oil Prices, and Interest Rate SBI (BI Rate) Towards CSPI. *Student Scientific Journal*, 1-11.

Nurdin, D. (1999). Risk of Investing in Property Shares on the Jakarta Stock Exchange. *Indonesian Business Management.*

Ocktaviana, A. (2007). Analysis of the Effect of Exchange Rate (US$/Rp), Interest Rate, Inflation, and Amount of Money (M2) on Combined Stock Price Index (CSPI) in Indonesia Stock Exchange (IDX).

Octavia, A. (2007). Analysis of the Effect of Rupiah / US $ Exchange Rates and SBI Interest Rates on the Composite Stock Price Index at the Jakarta Stock Exchange. *Skripsi, Universitas Negeri Semarang, Semarang.*

Oghuzan Aydemir and Erdal Demirhan . (2009). The Relationship Between Stock Prices and Exchange Rates Evidence from Turkey. *International Research Journal of Finance and Economics*, 207-215.

Pandji Anoraga and Piji Pakarti. (2001). *Introduction to the Capital Market.* Jakarta: Anugrah Nurul.

Purnomo. (2013). *Money Market and Forex Market.* Jakarta: PT. Gramedia Pustaka Utama.

Putong, I. (2017). *Economics: Principle of Micro and Macro.* Jakarta: Gramedia.

Samsul, M. (2016). *Capital Market and Portfolio Management.* Jakarta: Erlangga.

Sartono, A. (2015). *Financial Management Theory and Application.* Yogyakarta.

Sugiyono. (2017). *Quantitative, Qualitative, and R & D Methods.* Bandung: Alfabeta.

Sukirno, S. (2010). *Macroeconomic: Principle Theory.* Jakarta: Rajawali Pers.

Sumodiningrat, G. (2002). *Introduction to Econometrics.* Yogyakarta.

Sunariyah. (2006). *Introduction to Capital Market Knowledge.* Yogyakarta: UPP STIM YKPN.

Tandelilin, E. (2001). Investment Analysis and Portfolio Management. *Yogyakarta: BPFE-Yogyakarta.*

Wongbangpo, P. a. (2002). Stock Market and Macroeconomic Fundamental Dynamic Interactions: ASEAN-5 Countries. *Journal of Asian Economics 13*, 27-51.

www.bi.do.id. (t.thn.).

APPENDIX A

THE TABLE OF INDEPENDENT VARIABLE

No	Year	Interest Rate	Exchange Rate	Inflation
1	January, 2013	5.75	9,698	4.57
2	February, 2013	5.75	9,667	5.31
3	March, 2013	5.75	9,719	5.9
4	April,2013	5.75	9,722	5.57
5	May, 2013	5.75	9,802	5.47
6	June, 2013	6	9,929	5.9
7	July, 2013	6.5	10,277	8.61
8	August, 2013	6.5	10,924	8.79
9	September, 2013	7	11,612	8.4
10	October, 2013	7.25	11,234	8.32
11	November, 2013	7.5	11,977	8.37
12	December, 2013	7.5	12,189	8.38
13	January, 2014	7.5	12,226	8.22
14	February, 2014	7.5	11,634	7.75
15	March, 2014	7.5	11,404	7.32
16	April,2014	7.5	11,532	7.25
17	May, 2014	7.5	11,611	7.32
18	June, 2014	7.5	11,969	6.7
19	July, 2014	7.5	11,591	4.53
20	August, 2014	7.5	11,717	3.99
21	September, 2014	7.5	12,212	4.53
22	October, 2014	7.5	12,165	4.83
23	November, 2014	7.75	12,196	6.32
24	December, 2014	7.75	12,440	8.36
25	January, 2015	7.75	12,625	6.96
26	February, 2015	7.5	12,863	6.29
27	March, 2015	7.5	13,084	6.38
28	April, 2015	7.5	12,937	6.79
29	May, 2015	7.5	13,211	7.15
30	June, 2015	7.5	13,332	7.26
31	July, 2015	7.5	13,481	7.26
32	August, 2015	7.5	14,027	7.18
34	September, 2015	7.5	14,657	6.83
35	October, 2015	7.5	13,639	6.25

36	November, 2015	7.5	13,840	4.89
37	December, 2015	7.5	13,795	3.35
38	January, 2016	6.5	13,846	4.14
39	February, 2016	6.5	13,395	4.42
40	March, 2016	6.75	13,276	4.45
41	April, 2016	6.75	13,204	3.6
42	May, 2016	6.75	13,615	3.33
43	June, 2016	6.5	13,180	3.45
44	July, 2016	6.5	13,094	3.21
45	August, 2016	5.25	13,300	2.79
46	September, 2016	5	12,998	3.07
47	October, 2016	4.75	13,049	3.31
48	November, 2016	4.75	13,563	3.58
49	December, 2016	4.75	13,436	3.02
50	January, 2017	4.75	13,343	3.49
51	February, 2017	4.75	13,347	3.83
52	March, 2017	4.75	13,321	3.61
53	April, 2017	4.75	13,327	4.17
54	May, 2017	4.75	13,321	4.33
55	June, 2017	4.75	13,319	4.37
56	July, 2017	4.75	13,323	3.88
57	August, 2017	4.5	13,351	3.82
58	September, 2017	4.25	13,492	3.72
59	October, 2017	4.25	13,572	3.58
60	November, 2017	4.25	13,514	3.3
61	December, 2017	4.25	13,548	3.61
62	January, 2018	4.25	13,413	3.25
63	February,2018	4.25	13,707	3.18
64	March, 2018	4.25	13,756	3.4
65	April, 2018	4.25	13,877	3.41
66	May, 2018	4.5	13,951	3.23
67	June, 2018	5.25	14,404	3.12
68	July, 2018	5.25	14,413	3.18
69	August, 2018	5.5	14,711	3.2
70	September, 2018	5.75	14,917	2.88
71	October, 2018	5.75	15,237	3.16
72	November, 2018	6	14,339	3.23
73	December, 2018	6	14,481	3.13

APPENDIX B

THE TABLE OF DEPENDENT VARIABLE

No	Year	Composite Stock Price Index
1	January, 2013	4453.70
2	February, 2013	4795.79
3	March, 2013	4940.99
4	April,2013	5043.07
5	May, 2013	5068.63
6	June, 2013	4818.90
7	July, 2013	4610.38
8	August, 2013	4195.09
9	September, 2013	4316.18
10	October, 2013	4510.63
11	November, 2013	4256.44
12	December, 2013	4274.18
13	January, 2014	4418.76
14	February, 2014	4620.22
15	March, 2014	4768.28
16	April,2014	4840.15
17	May, 2014	4893.91
18	June, 2014	4878.58
19	July, 2014	5088.80
20	August, 2014	5136.86
21	September, 2014	5137.58
22	October, 2014	5089.55
23	November, 2014	5149.89
24	December, 2014	5226.95
25	January, 2015	5289.40
26	February, 2015	5450.29
27	March, 2015	5518.68
28	April, 2015	5086.43
29	May, 2015	5216.38
30	June, 2015	4910.66
31	July, 2015	4802.53
32	August, 2015	4509.61
34	September, 2015	4223.91
35	October, 2015	4455.18

36	November, 2015	4446.46
37	December, 2015	4593.01
38	January, 2016	4615.16
39	February, 2016	4770.96
40	March, 2016	4845.37
41	April, 2016	4838.58
42	May, 2016	4796.87
43	June, 2016	5016.65
44	July, 2016	5215.99
45	August, 2016	5386.08
46	September, 2016	5364.80
47	October, 2016	5422.54
48	November, 2016	5148.91
49	December, 2016	5296.71
50	January, 2017	5294.10
51	February, 2017	5386.69
52	March, 2017	5568.11
53	April, 2017	5685.30
54	May, 2017	5738.15
55	June, 2017	5829.71
56	July, 2017	5840.94
57	August, 2017	5864.06
58	September, 2017	5900.85
59	October, 2017	6005.78
60	November, 2017	5952.14
61	December, 2017	6355.65
62	January, 2018	6605.63
63	February,2018	6597.22
64	March, 2018	6188.99
65	April, 2018	5994.60
66	May, 2018	5983.59
67	June, 2018	5799.24
68	July, 2018	5936.44
69	August, 2018	6018.48
70	September, 2018	5976.55
71	October, 2018	5831.65
72	November, 2018	6056.12
73	December, 2018	6194.50

Source: Indonesia Stock Exchange (All listed in IDR)

APPENDIX C

DATA OUTPUT

Descriptive Statistics Test

Variable	N	Minimum	Maximum	Mean	Median	Standard Deviation
Composite Stock Price Index	72	4195.09	6605.63	227.21	5143.25	612.87
Inflation	72	2.79	8.79	5.05	4.39	1.87
Interest Rate	72	4.25	7.75	6.17	6.5	1.25
Exchange Rate	72	9.66	15.23	12.81	13.31	1342.34

Source: data processed, 2019

Kolmogorov–Smirnov normality test

		Unstandardized Residual
N		72
Normal Parameter[a..b]	Mean	.0000000
	Std Deviation	3.72165373E2
Most Extreme Differences	Absolute	.079
	Positive	.079
	Negative	-.079
Kolmogorov-Smirnov Z		.668
Asymp. Sig. (2-tailed)		.764

a. Test distribution is Normal

b. Calculated from data

Source: Output SPSS 17

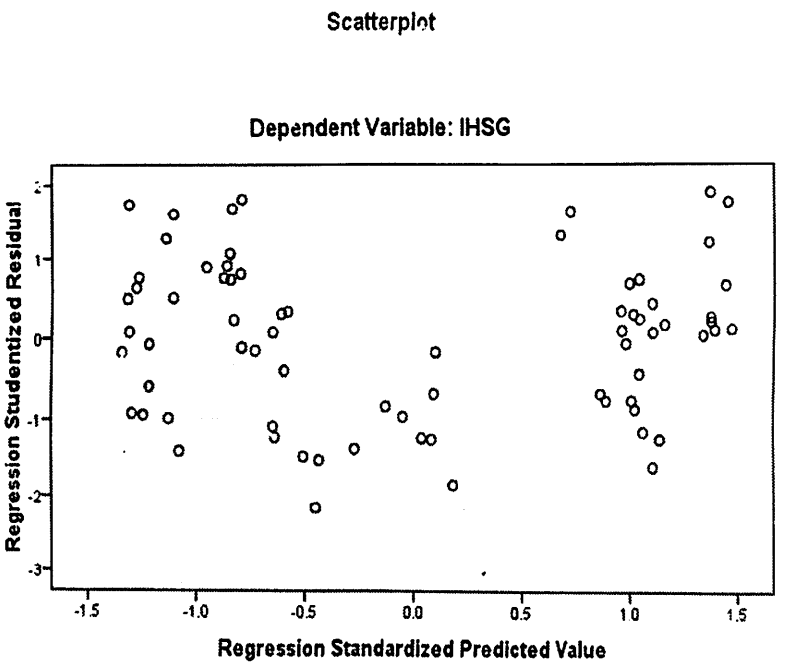
Multicollinearity Test Regression Model

Model	Collinearity Statistic	
	Tolerance	VIF
(Constant)		
Interest Rate	.496	2.017
Exchange Rate	.702	1.424
Inflation	.386	2.593

Dependent: CSPI

Source: data processed, 2019

Heteroscedasticity Test



Autocorrelation Model Regression Test

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.795[a]	.631	.615	380.28630	1.377

a. Predictors: (Constant), Inflation, Exchange Rate, Interest Rate
b. Dependent Variable: CSPI
Source: data processed, 2019

The Coefficient of Determination (R^2) Analysis

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.795[a]	.631	.615	380.28630	1.377

Source: data processed, 2019

ANOVA[b]

Model	um of Squares	Df	Mean Square	F	Sig.
gression	1.683E7	3	5611479.212	38.802	.000[a]
sidual	9834001.598	68	144617.671		
tal	2.667E7	71			

a. Predictors: (Constant), Inflation, Exchange Rate, Interest Rate
b. Dependent Variables: CSPI
Source: data processed, 2019

Coefficients[a]

Model	Unstandardized Coefficients		T	Sig.
	B	Std. Error		
(constant)	5539.476	603.470	9.179	.000
Interest Rate	-258.366	50.899	-5.076	.000
Exchange Rate	.122	.040	-3.038	.003
Inflation	-55.428	38.682	-1.433	**.156**

a. Dependent Variable: CSPI

Source:Output SPSS 17


UNIVERSITAS ATMA JAYA YOGYAKARTA
FAKULTAS EKONOMI
Program Studi Manajemen
PERPUSTAKAAN