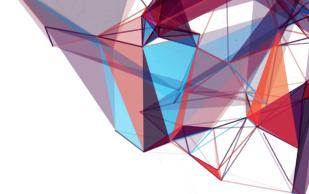
Katadata Insight Center

KATADATA SECTORAL INSIGHT

AUGUST 2019





CECTODAL INIDICEC	MAY		JUNE		JULY	
SECTORAL INDICES	Actual	Prediction	Actual	Prediction	Actual	Prediction
Property, Real Estate, and Building Construction	459,02	485,22	487,72	490,97	498,86	544,94
Agriculture	1.398,72	1.352,55	1.406,77	1.317,56	1.360,10	1.324,48
Consumer Goods	2.446,56	2.641,75	2.394,67	2.741,93	2.355,42	2.804,77
Finance	1.253,10	1.268,93	1.306,05	1.217,75	1.323,97	1.233,19
Mining	1.649,38	1.788,43	1.715,47	1.674,75	1.635,93	1.790,15
Basic Industry and Chemicals	761,41	804,13	777,25	751,96	837,37	765,37
Trade, Services, and Investment	798,46	834,72	804,87	785,47	817,37	821,59
Miscellaneous	1.292,17	1.302,38	1.293,38	1.284,79	1.239,97	1.294,76
Infrastructure, Utilities, and Transportation	1.153,97	1.158,45	1.214,59	1.144,67	1.206,10	1.225,08
Composite	6.209,12	6.464,80	6358,63	6253,95	6.390,50	6.419,26

AUGUST PREDICTION	SEPTEMBER PREDICTION		
530,25	532,12		
1.295,75	1.216,06		
2613,54	2722,77		
1.320,44	1.341,74		
1.699,21	1.777,01		
906,16	894,62		
832,04	850,53		
1.394,52	1.406,01		
1.174,81	1.092,19		
6.452,59	6.474,83		

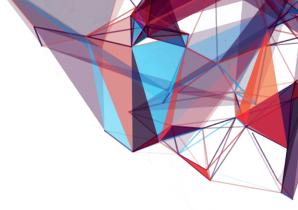








BACKGROUND



2018

Katadata Market Sentiment Index (KMSI) predicts bullish and bearish sentiment on Indonesia Composite Index.

Model development to predict level of 9 sectors in Indonesia Composite Index and Indonesia Composite Index itself.

Katadata Sectoral Insight (KSI) predicts level of 9 sectors and Indonesia **Composite Index for the** next one and two months.

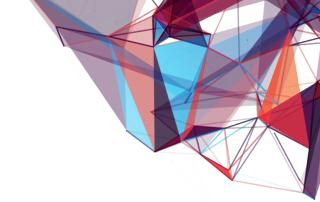








METHODOLOGY



LITERATURE **STUDY**

Conduct studies from various research reports as references in statistical model development

SECONDARY DATA

Use variety of secondary data, including the Indonesia Composite Index, domestic and global macroeconomic indicators

MODELING

The modeling is performed in accordance to econometric principles

TESTING

Perform model's prediction accuracy test every month to obtain the best prediction level and direction

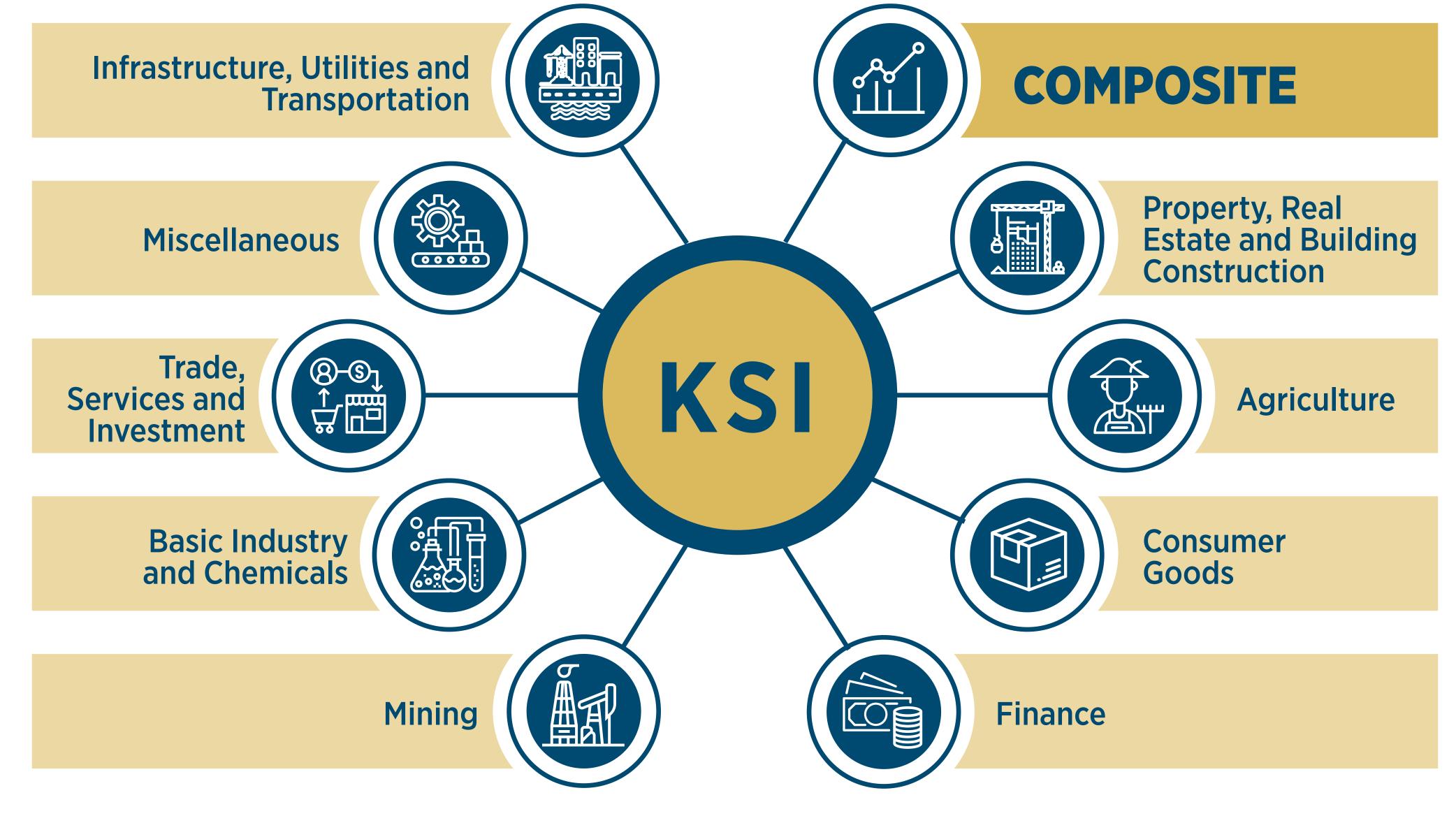
















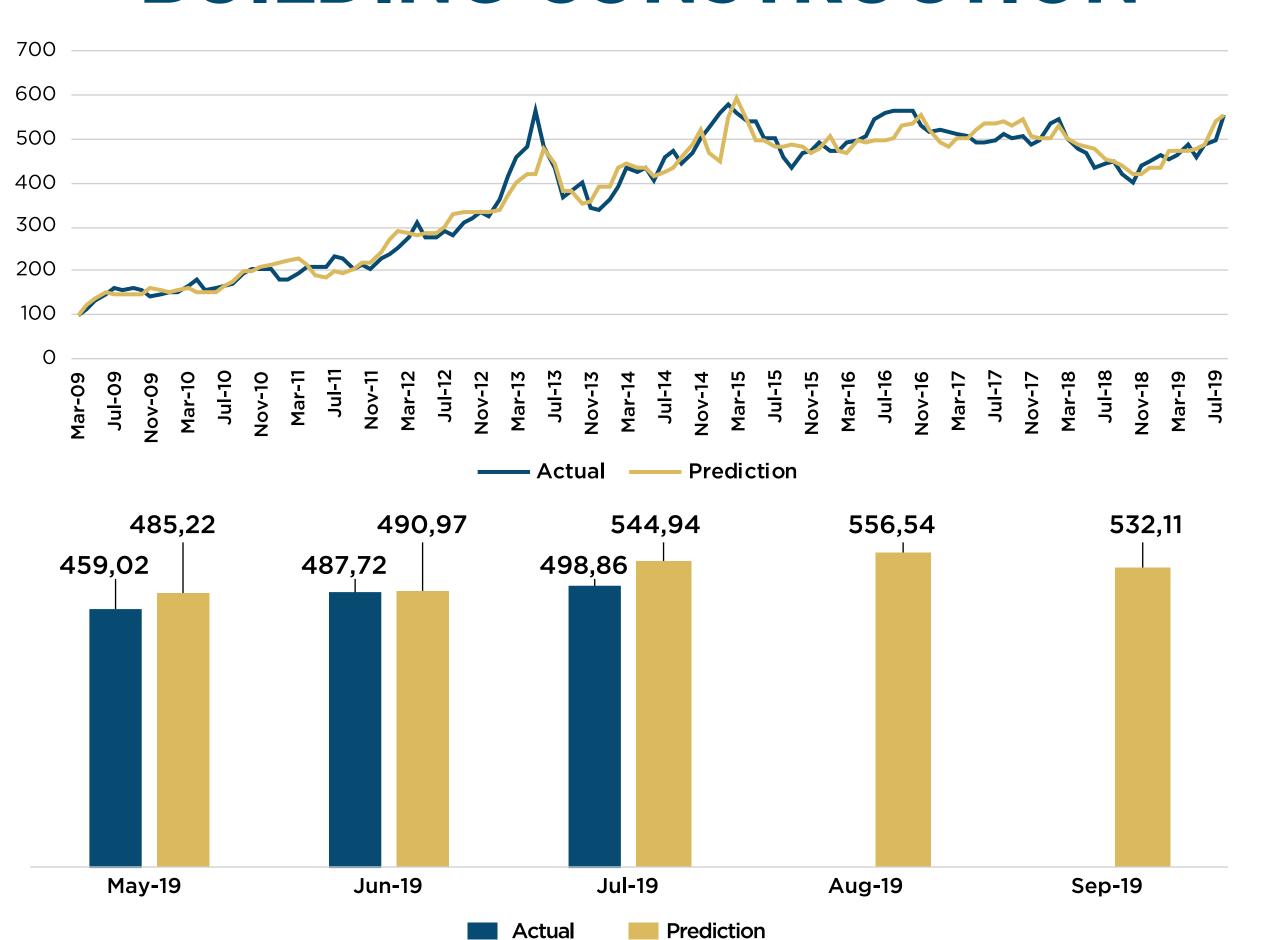






(JCI:PROPERTY)

PROPERTY, REAL ESTATE, AND **BUILDING CONSTRUCTION**





Property, Real Estate, and Building Construction sector is highly affected by consumer purchasing power toward housing. If consumer purchasing power improved, it is likely to also improve company's sales in this sector. Besides, the sector also depends on global financial stability. One of the factor affects the stability is interest rate of some countries. When interest rate in large economy countries go up, then Indonesia interest rate is likely to follow the increase which caused property sector to weakened.





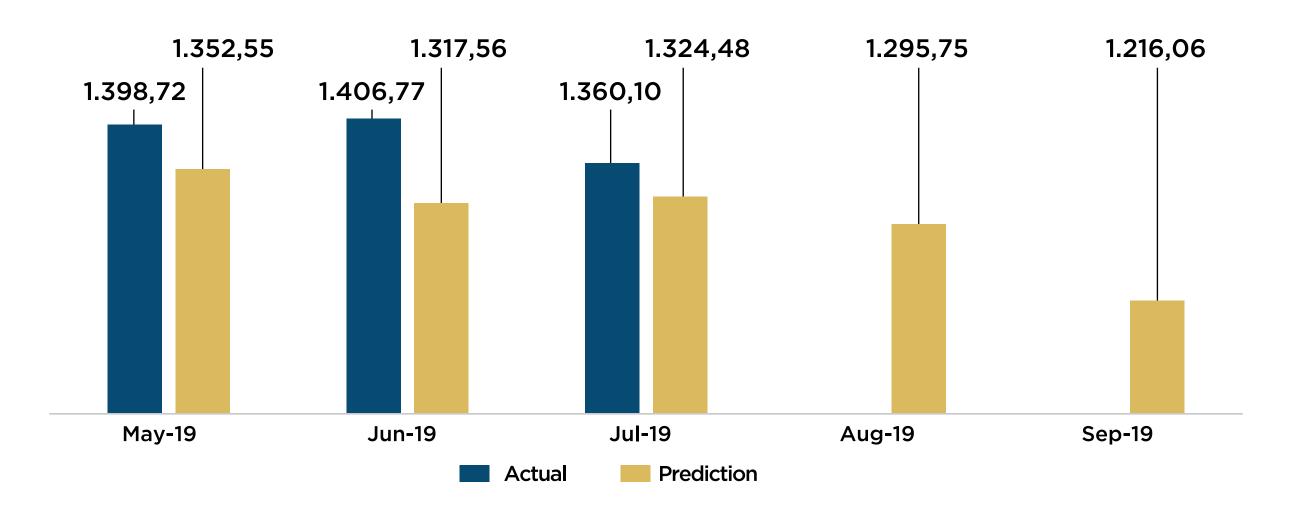


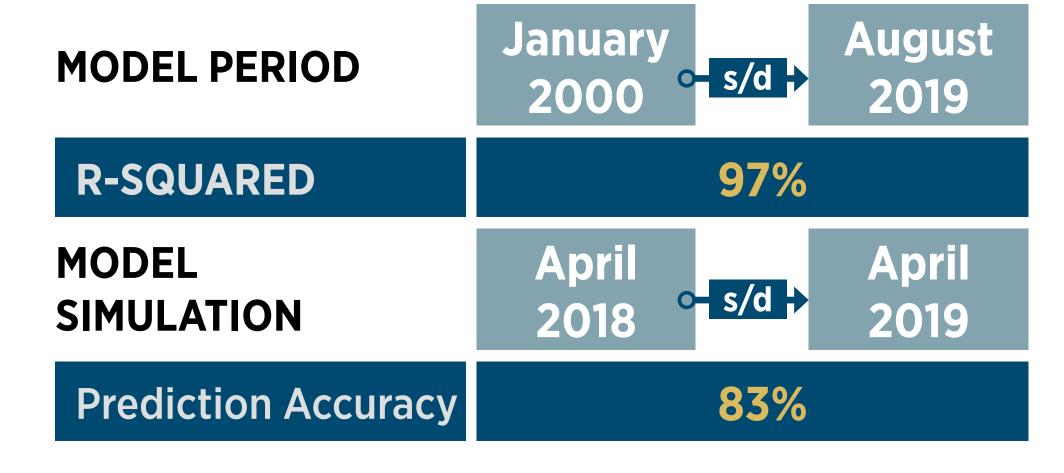




(JCI:AGRI) **AGRICULTURE**







Agriculture sector is highly affected by inflation rate. However, as long as it is controlled, a price increase could bring a good effect to companies in this sector. Energy commodity prices also has an effect. If the prices become too high, there's a possibility the energy demand will shift to substitution resources, such as Crude Palm Oil (CPO) that could be processed into diesel fuel.



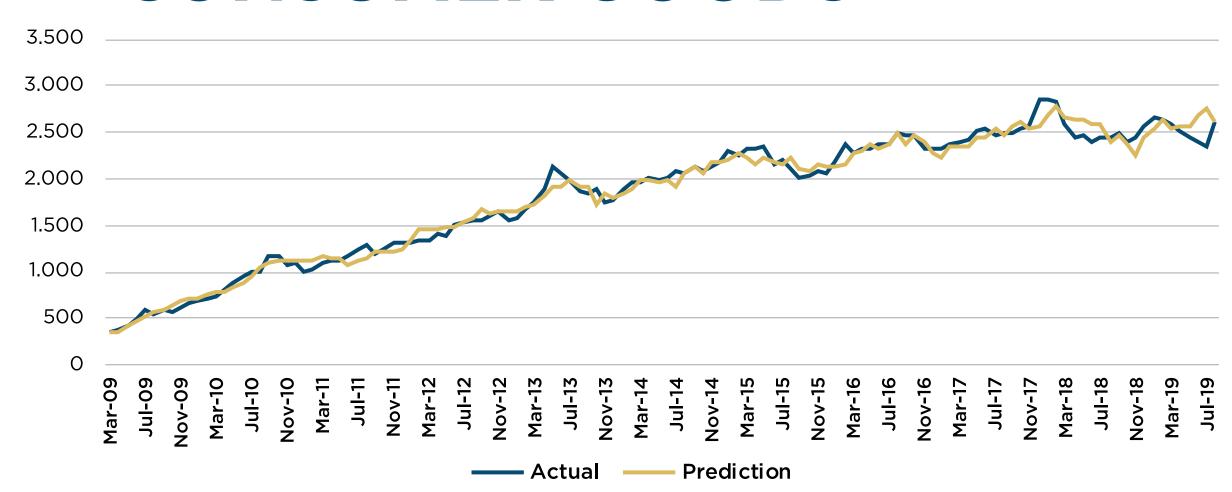


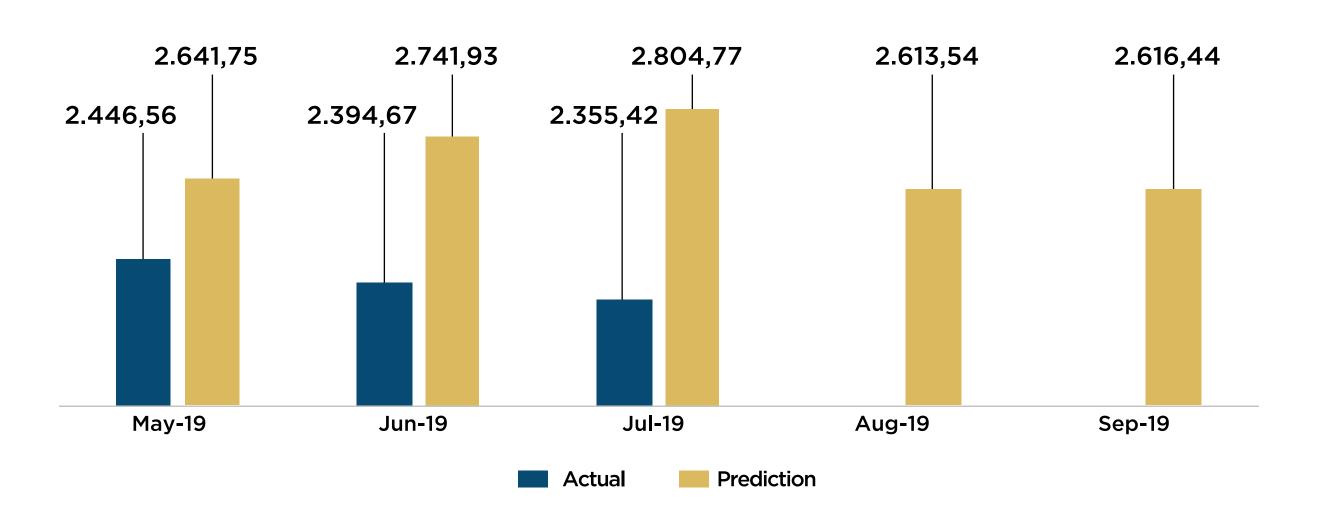


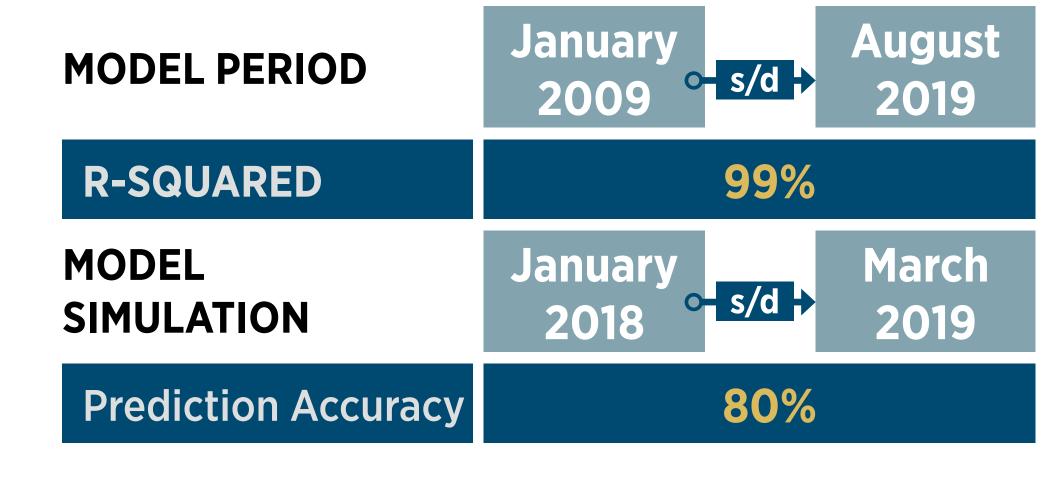




(JCI:CONSUMER) **CONSUMER GOODS**







Consumer goods sector is mainly affected by domestic economy which could be reflected by consumer purchasing power on food. Company performance in this sector is likely to increase when consumer ability to buy foods upsurge. External factors also contributed to this sector's level movement, such as economic conditions of developed countries, particulary Indonesia trading partners. Those includes China, Japan, the United States, and European countries.



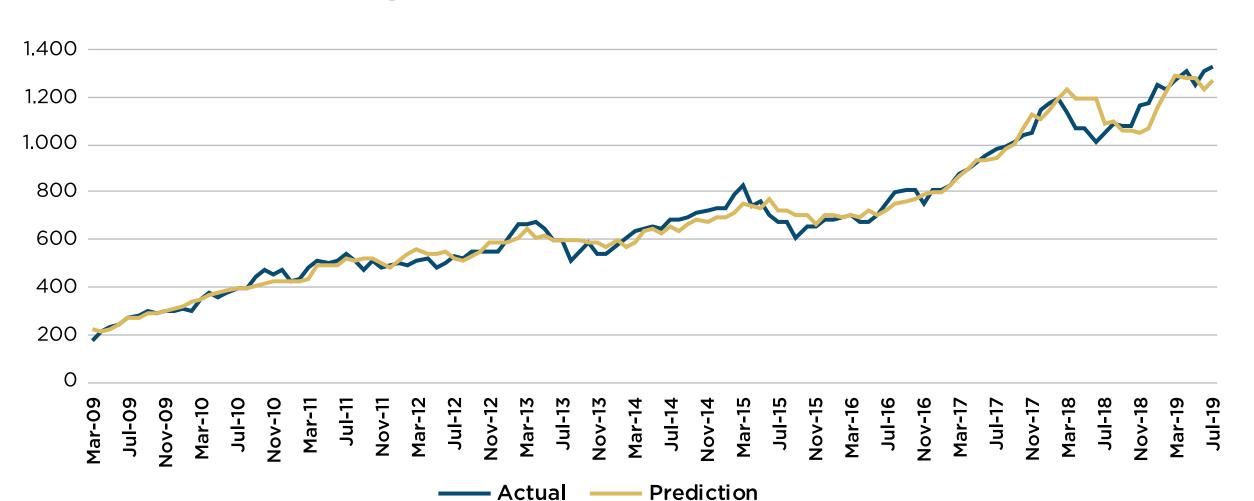


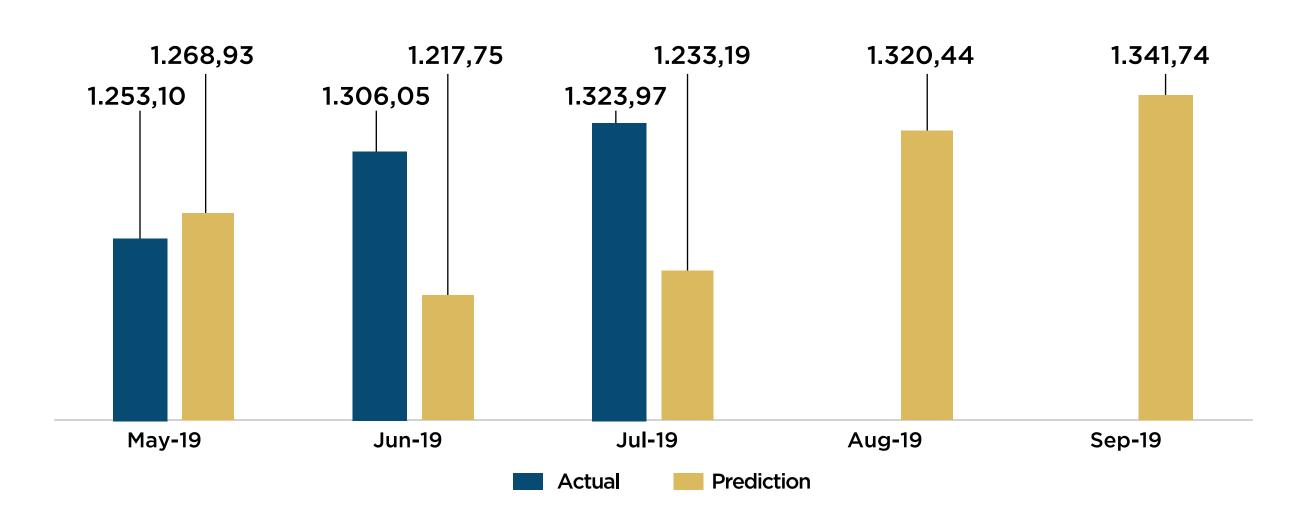






(JCI:FINANCE) FINANCE







Macroeconomic stability greatly affects the finance sector and rupiah exchange rates is one of the indicator of macroeconomic stability. The exchange rate has multiplier effect including monetary policy, i.e., interest rate benchmarks. Then it has an impact on the banking interest rates which would later impact finance sector performance. Foreign monetary policies such as in the United States, China and Japan also influence Central Bank of Indonesia to decide the interest rate, or in other words, would affect the finance sector.







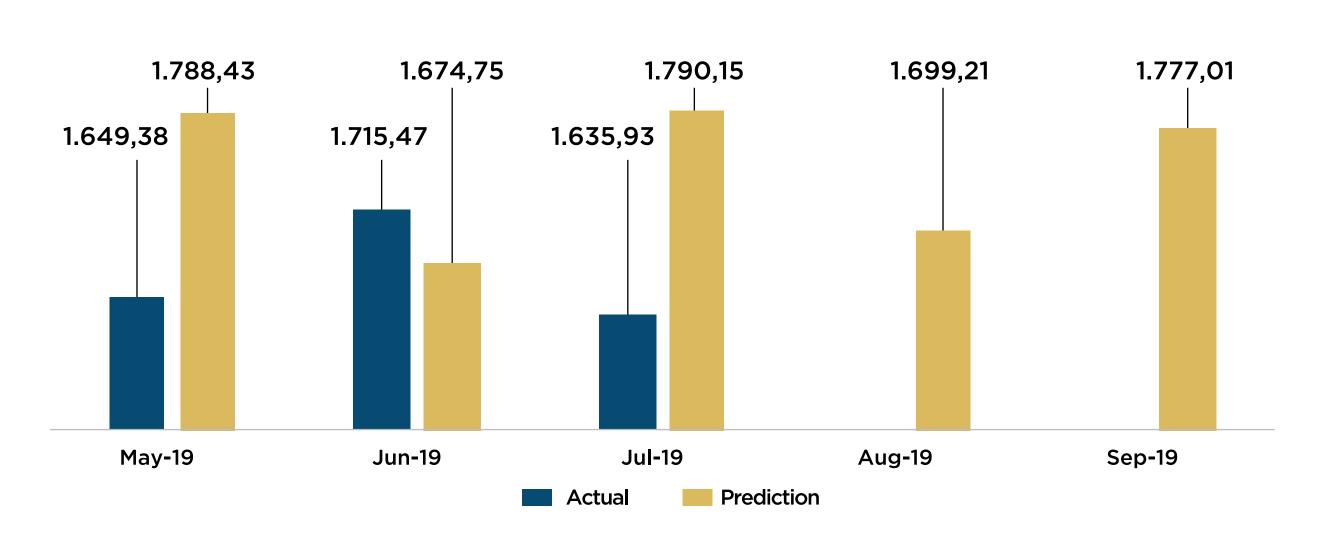




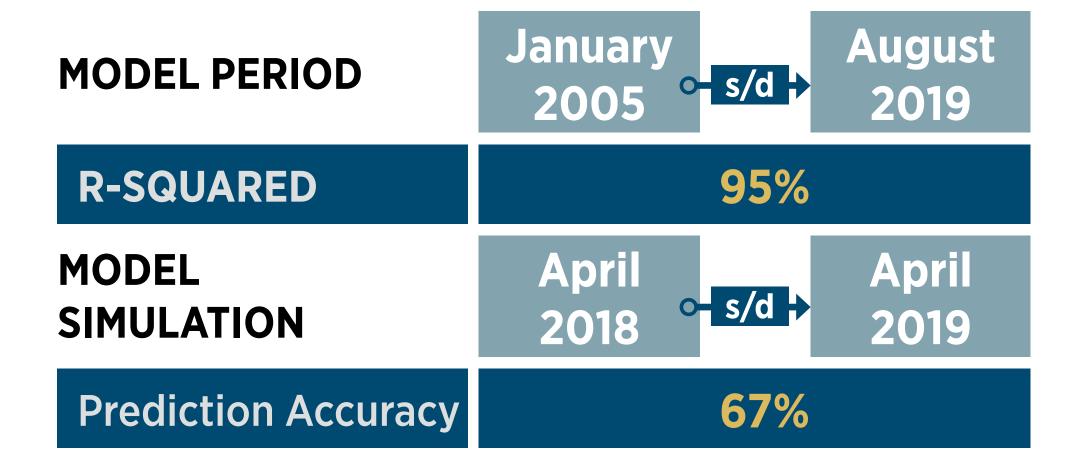
(JCI:MINING) MINING



Prediction



Actual



Global commodity prices, mainly oil and coal, strongly drive this sector. Large economy countries also affect the sector. This is because they have big influence on commodity prices volatility that later affect the mining sector.



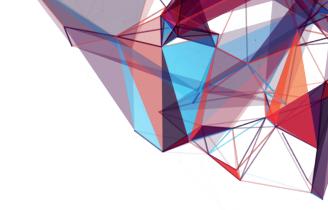


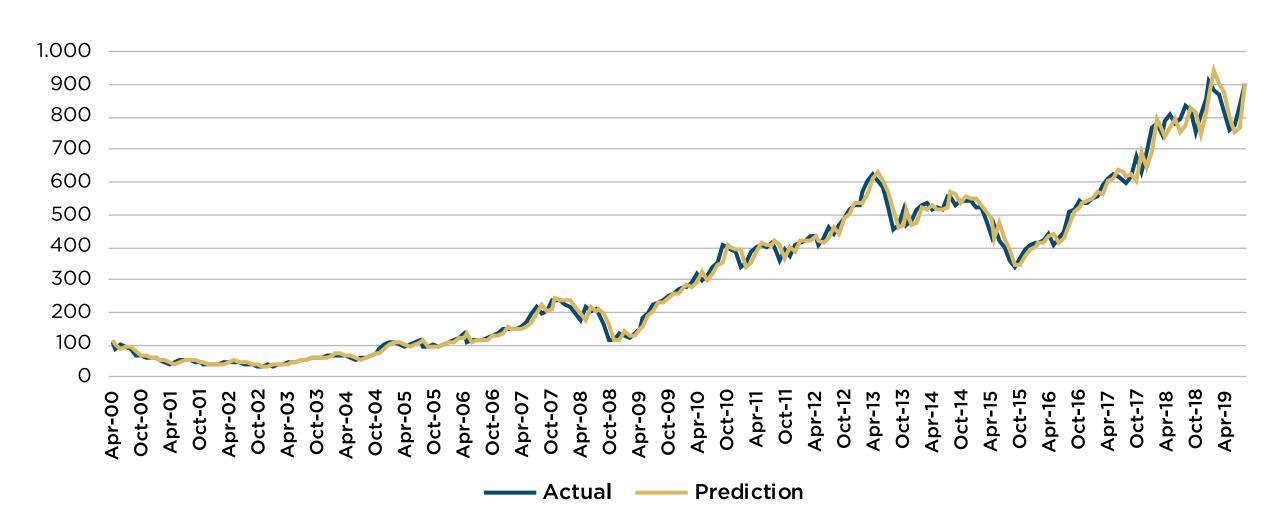


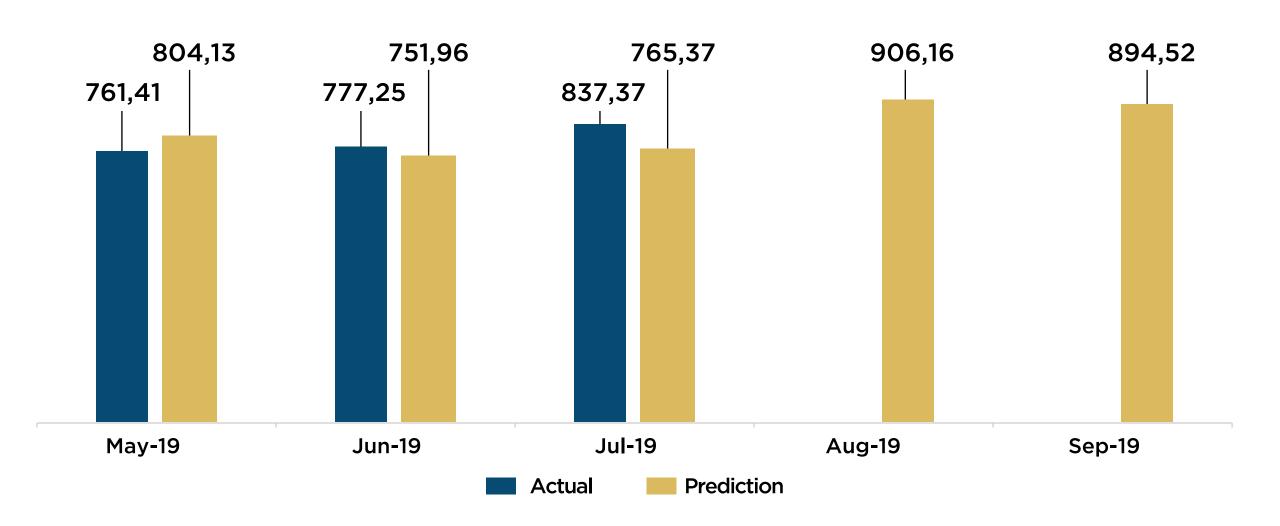


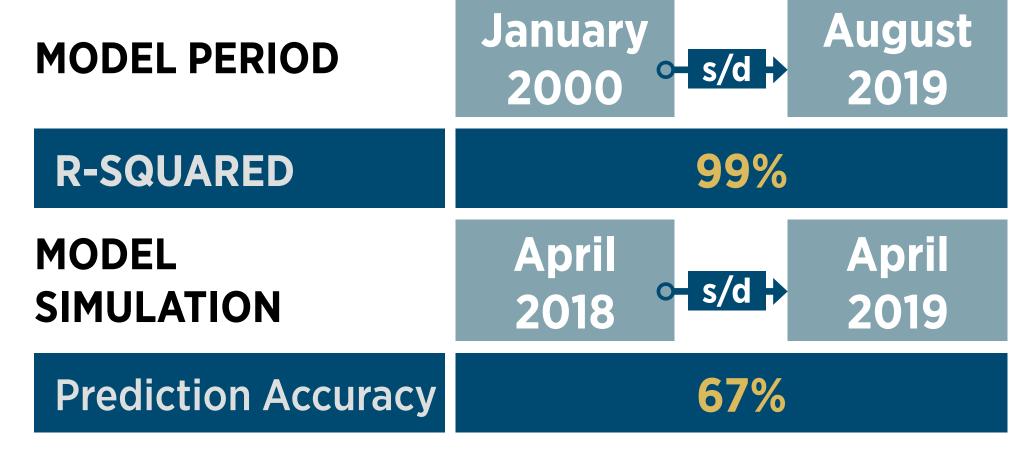


(JCI:BASIC-IND) **BASIC INDUSTRY AND CHEMICALS**









Basic industry and chemicals sector is likely to affected by domestic and some trade partners economy, especially China and the United States. Historically, a drift occurred when trade partners economy improve, it will improve stocks performance in this sector.





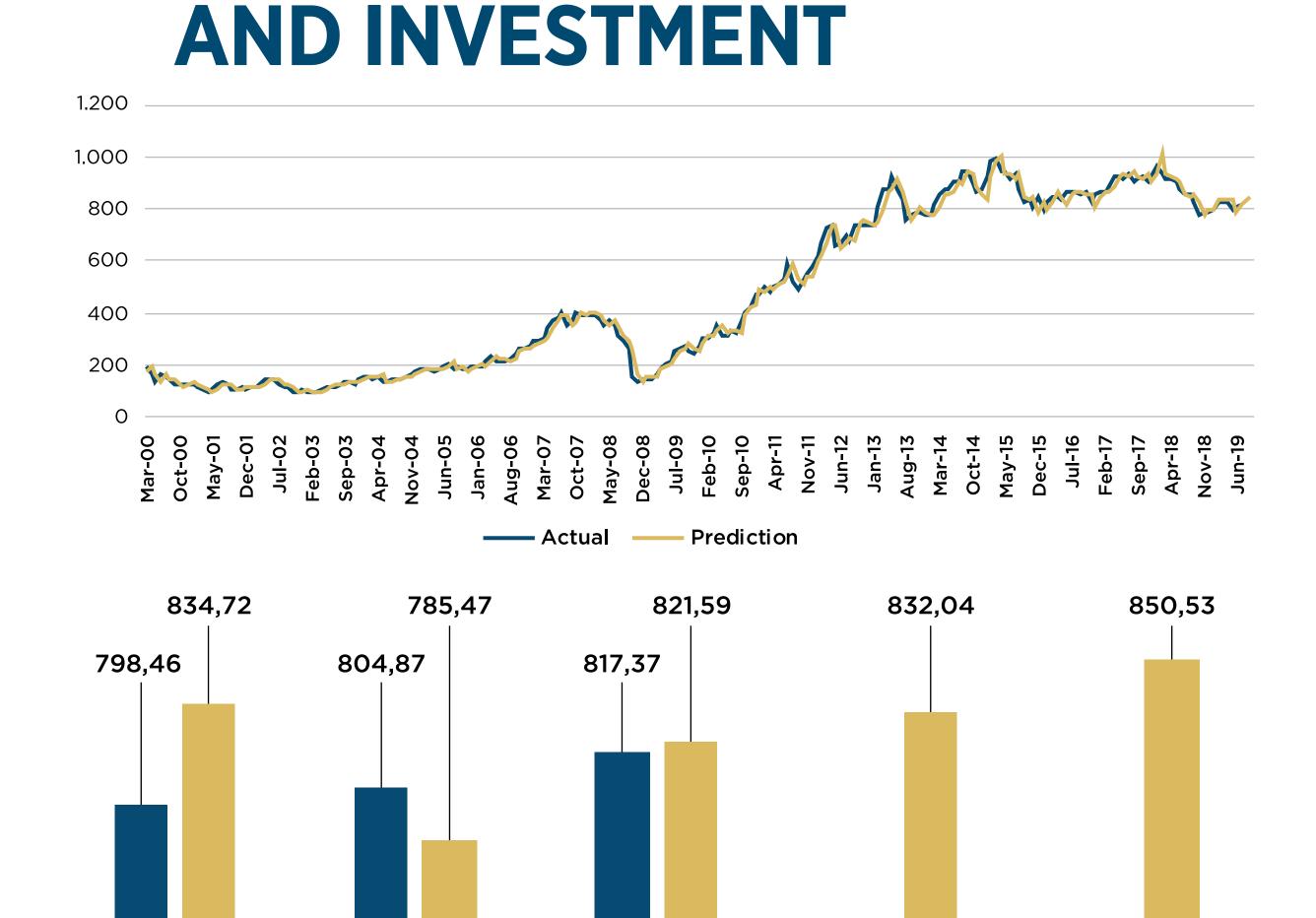




May-19

Jun-19

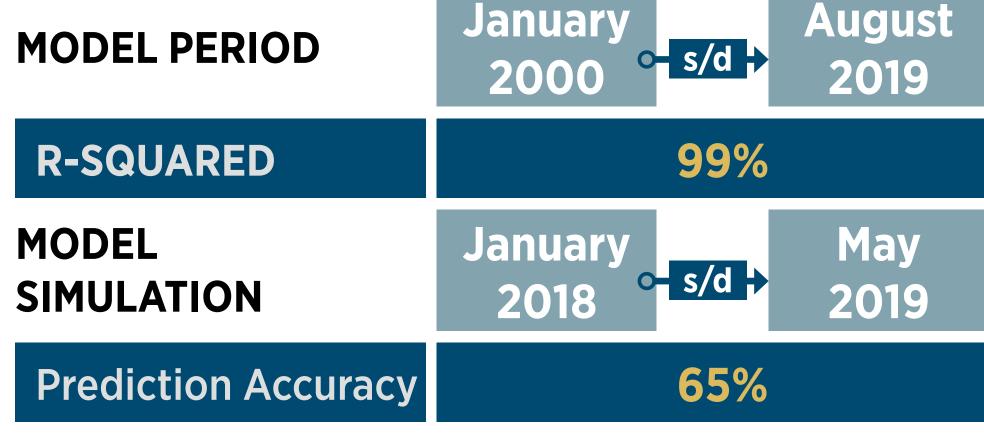
(JCI:TRADE) TRADE, SERVICES,



Jul-19

Actual

Prediction



The Trade, Services, and Investment sector is affected by consumer purchasing power, as when it increase, it is likely to boost company's sales in this sector, including retail company. In addition to domestic factors, economic condition in trading partner countries, including China and the United States also has significant effect on this sector.



Aug-19



Sep-19

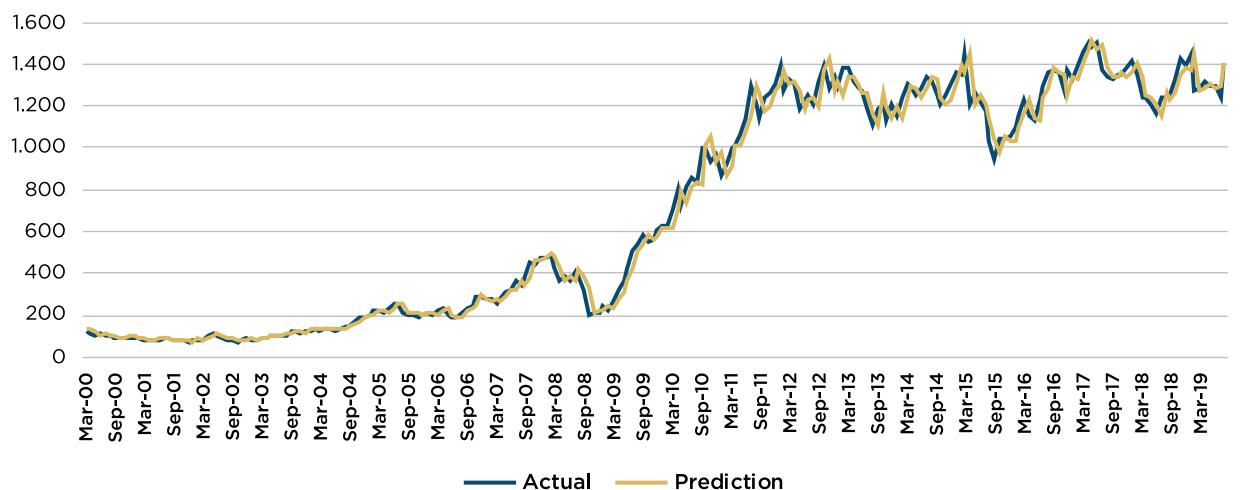


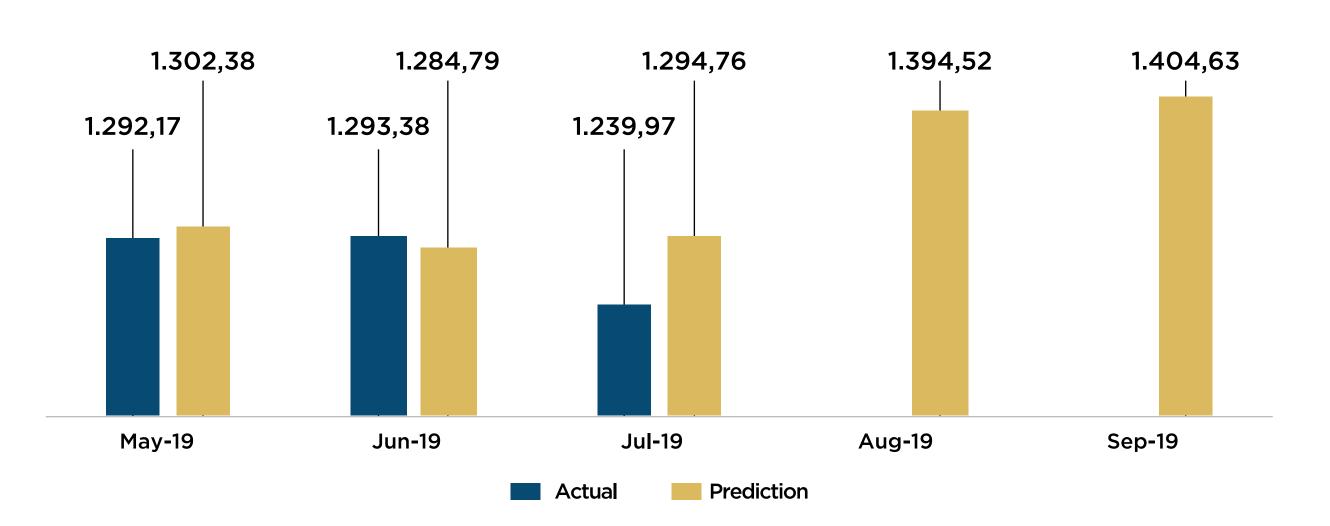


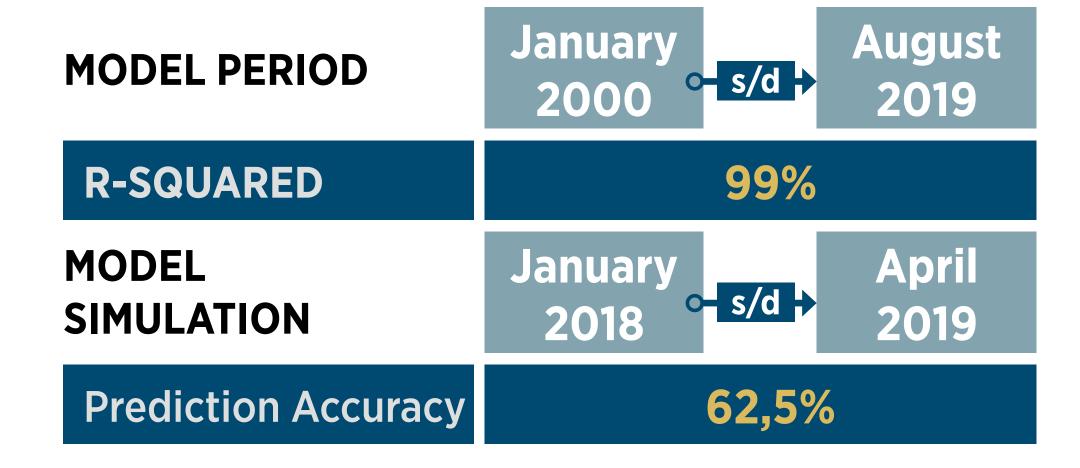


(JCI:MISC-IND)









Domestic economic condition, which could be reflected by consumer purchasing power and car sales, has high influence on Miscellaneous sector. Automotive company dominates this sector, hence the car sales have a direct impact on company's revenue in this sector.



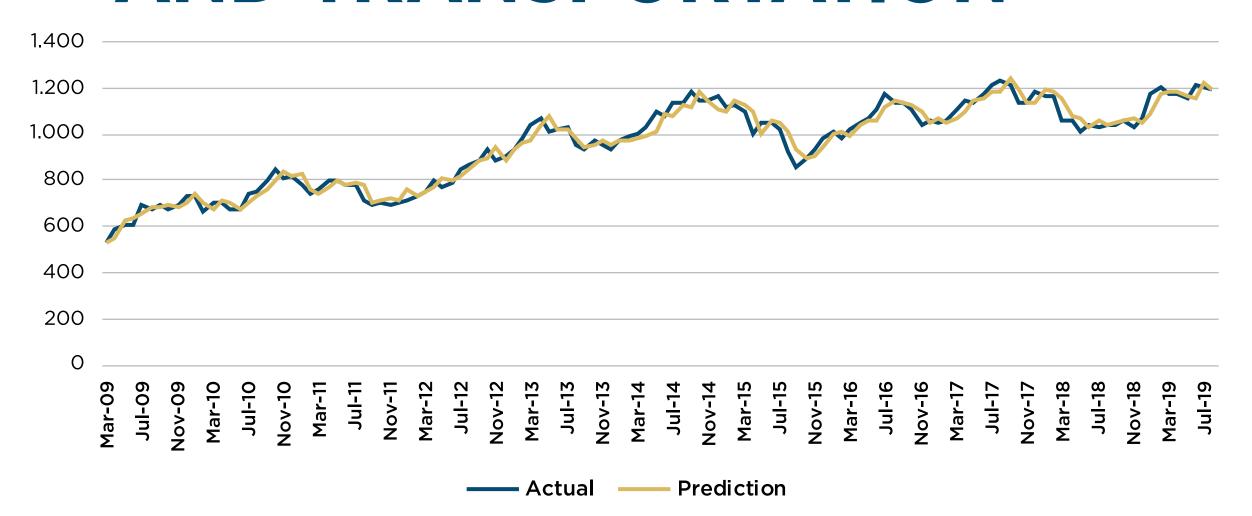


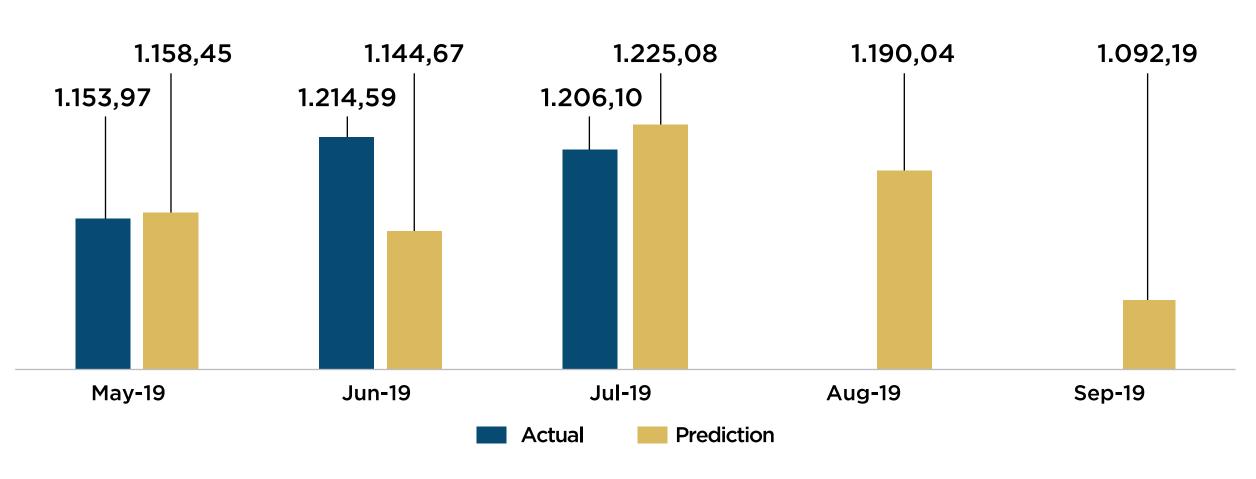


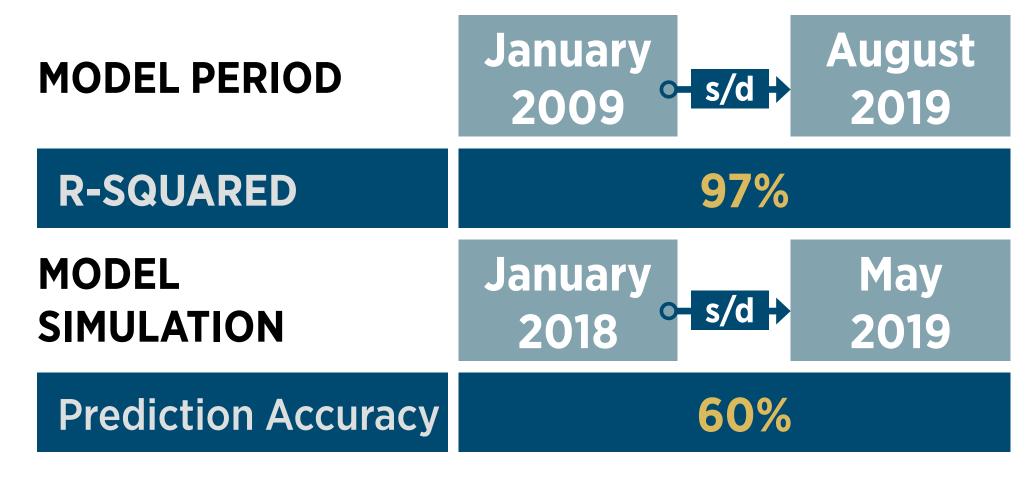




(JCI:INFRASTRUCTURE) INFRASTRUCTURE, UTILITIES, AND TRANSPORTATION







The main driver on this sector is the availability of funds through lending, channeled to support infrastructure projects. Countries with high investment in infrastructure projects in Indonesia such as China and Japan, also strongly affect this sector. It leads to the sector also dependent to economic condition in those countries.



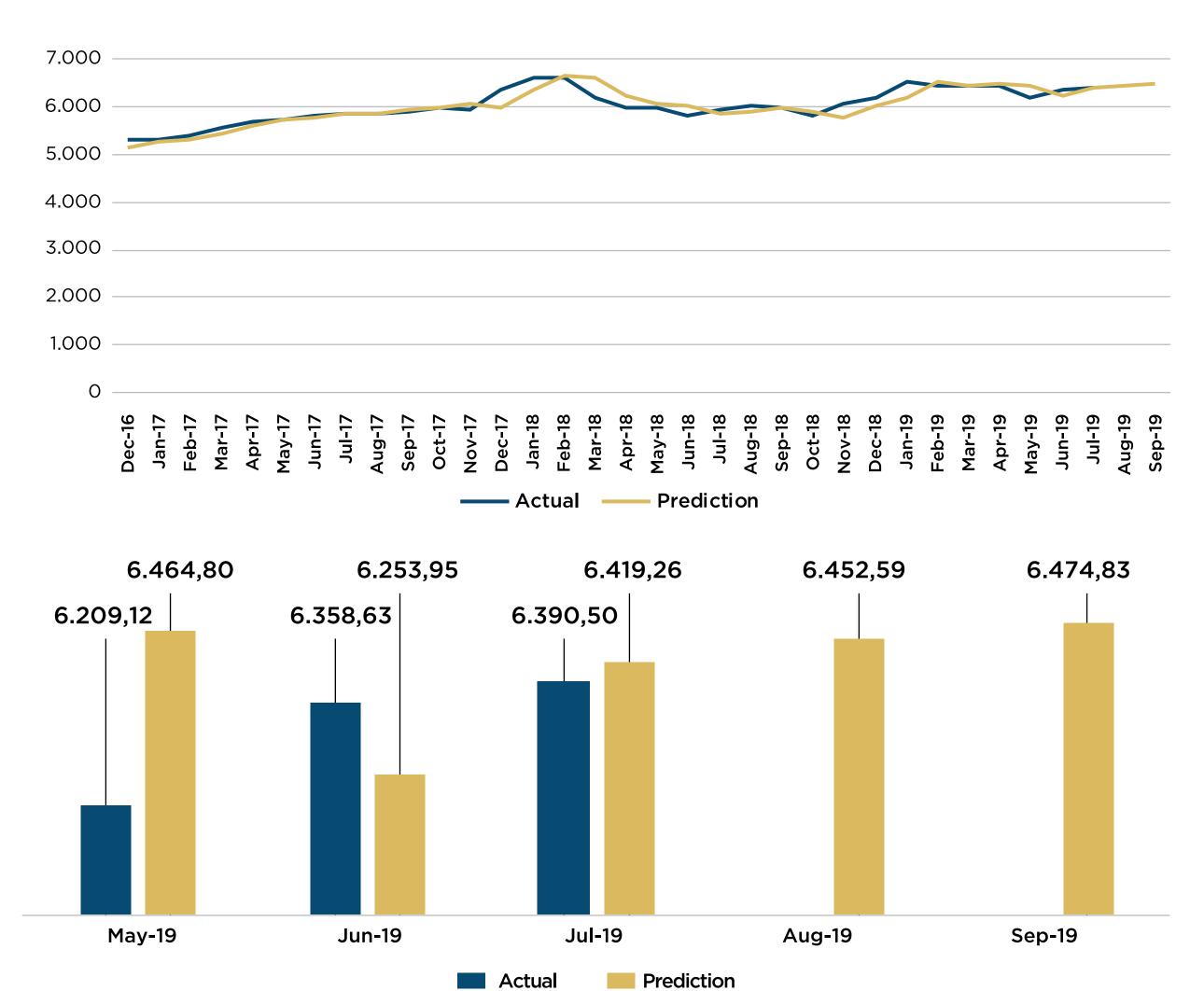








(COMPOSITE) INDONESIA COMPOSITE INDEX



The calculation of JCI level prediction uses market capitalization and prediction level data. Based on prediction simulation in the period of December 2016 to July 2019, it results in predictive power of

64,52%



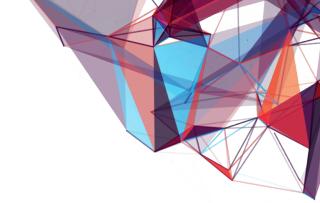








TEAM OF EXPERTS KATADATA SECTORAL INSIGHT





Damhuri Nasution

Damhuri Nasution recognized for modeling, forecasting and developing an early warning system for the Indonesian and global economy. Mr. Nasution is the Head of PT Danareksa Research Institute. Prior to that, he served as a Research Analyst at PT Pemeringkat Efek Indonesia. In his earlier carrier, Mr. Nasution spent 7 years as a Researcher and Lecturer at the Institute for Economic and Social Research (LPEM) Faculty of Economics, University of Indonesia. He conducted a number of research projects both macro and micro economic at the institute. Mr. Nasution received a Bachelor of Statistics from the Bogor Institute of Agriculture. He attended internship program in the Department of Economics, Brown University, Providence, Rhode Island, USA.



Stevanny Limuria

As a Deputy Head of Research and Analysis in Katadata, Stevanny Limuria is experienced as a financial analyst at a number of public companies and research institutes for more than 8 years. The holder of Master degree in Management from Tarumanegara University is experienced in identifying and analyzing problems faced by companies, analyzing financial models, reviewing financial statements, and analyzing the budgeting and forecasting of a project. Stevanny and the team will lead the market study to identify the potential market and analyze the data.

Analyst: Franklin Michael

Statistician: Lulu Mahdiyah Sandjadirja

Statistician: Puspa Indah







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