APPENDICES

Appendix 1: Previous Research

Research 1	
Writer (Year)	Alwafi (2014)
Title of Reserach	the analysis of variables that affect the volume of Indonesian shrimp exports in the United States
Variable	exchange rate, GDP of the United States of America, and the production of captured shrimp at fish auction place on the volume of Indonesian shrimp exports to the United States from January 2009 to December 2014
Result	The regression results obtained indicate that the exchange rate and GDP of the United States have a positive and significant effect on the volume of Indonesian shrimp exports in the United States. The variable of captured shrimp production in fish auctions does not have a significant effect on the volume of Indonesian shrimp exports in the United States16.
Research 2	
Writer (Year)	Kusumawati and Musadieq (2016)
Title of Reserach	the effect of production, prices ,and exchange rates on the volume of shrimp exports from Indonesia to Japan.
Variable	are domestic shrimp production, international shrimp prices, and the Rupiah exchange rate in US Dollars. The dependent variable in this study is the volume of shrimp from Indonesia to Japan.
Result	The results showed that there was a significant positive effect on domestic shrimp production. The international shrimp price variable has a negative and significant effect on the volume of shrimp exports from Indonesia to Japan. The variable of the rupiah exchange rate against the dollar has no significant effect on the volume of shrimp exports from Indonesia to Japan17.
Research 3	
Writer (Year)	Mohani (2016)
Title of Reserach	the Effect of the Amount of Indonesian Shrimp Production, International Shrimp Prices, and the Rupiah Exchange Rate on Indonesian Shrimp Exports.
Variable	The variables used in this research are the amount of Indonesian shrimp production, international shrimp prices and the rupiah exchange rate.

16 Alwafi, 'VOLUME EKSPOR UDANG INDONESIA DI AMERIKA', 2016.

17 Lailatul Ayu Kusumawati, Mochammad Al Musadieq, and Sri Sulasmiyati, 'PENGARUH PRODUKSI, HARGA DAN NILAI TUKAR TERHADAP VOLUME EKSPOR

Result	The results of Mohani's analysis show that the international shrimp price variable has a positive and significant effect on the export volume of Indonesian shrimp. The variables of the rupiah exchange rate against the dollar and the amount of Indonesian shrimp production have a positive and insignificant effect on the export volume of Indonesian shrimp18.

Research 4	
Writer (Year)	Syahfdi (2010)
Title of Reserach	the Analysis of Export Market Demand for Indonesian Frozen Shrimp Products.
Variable	. The variables used in the study were the price of Indonesian frozen shrimp, the price of competitive shrimp (Vietnam and Thailand), the level of consumption per capita, and the number of consumers in the selected export destination countries (Japan and America).
Result	The results showed that the price of frozen shrimp in Indonesia had a negative effect on the demand for frozen shrimp export volume in the two export countries (Japan and America). The competitor's shrimp price variable in Vietnam had a negative effect on the volume demand for frozen shrimp in the two countries of Japan, while the frozen shrimp price variable for competitors in Thailand had a positive effect on the volume demand for frozen shrimp in the United States. The variable level of shrimp consumption per capita of Japanese people does not affect on the volume of demand for frozen shrimp in Japan, while the variable level of consumption of shrimp per capita in the United States has a positive effect on the volume of demand for frozen shrimp in the United States. The variable of the number of consumers in the export destination countries (Japan and America) shows the same result, that is, it does not affect the volume demand for frozen shrimp in the two export countries (Japan and America).
Research 5	
Writer (Year)	Fattya Rahmah (2017)
Title of Reserach	analyzes the Factors Affecting Shrimp Exports in Indonesia.
Variable	shrimp production, exchange rate , and GDP
Result	The results showed that the factors that influence the export of shrimp in Indonesia are the factors of shrimp production in Indonesia and the GDP of the export destination countries. The variable of Indonesian shrimp production has a significant negative effect on the volume of Indonesian shrimp exports with a coefficient value of -0.1954. While the GDP variable of the export destination country has a significant positive effect on the volume of Indonesian shrimp exports with a coefficient value of 0.312719.

18 Edy Yulianto and Mohani Kholid Mawardi, 'Pengauh Jumlah Produksi Udang Indonesia, Harga Udang Internasional, Dan Nilai Tukar Rupiah Terhadap Ekspor Udang

19 Nurul Alinda, 'Analisis Faktor-Faktor Yang Mempengaruhi Ekspor Karet Di Indonesia', *Jurnal Ekonomi Pembangunan*, 11.1 (2013

Research 6	
Writer (Year)	Siti Sahatul (2020)
Title of Journals	Performance of Indonesian Shrimp exports in the United States, 2009-2017.
Aims	This study aims to assess the export performance of Indonesian shrimp commodities in the United States in 2009-2017
Result	These results indicate that Indonesian frozen shrimp has enormous potential to be developed, although from the distribution aspect it is still weak (indicated by the value that is negative). The CMS results show that Indonesian shrimp exports are still focused on frozen shrimp only, and do not prioritize fresh and fresh shrimp. processed shrimp. This shows that there needs to be an evaluation both in terms of production, distribution ,and product quality to improve product performance, especially in fresh and processed shrimp[20].
Research 7	
Writer (Year)	Febrian (2017)
Title of Journals	the Analysis of factors affecting the export of Indonesian Shrimp in the United States, 1992-2017.
Variable	the United States Gross Domestic Product (GDP), domestic shrimp prices, competitive shrimp prices, and the rupiah exchange rate against the dollar on the export volume of Indonesian shrimp to the United States from 1992 to 2017
Result	The results showed that the United States Gross Domestic Product (GDP), competitor shrimp prices have a positive effect, domestic shrimp prices have a negative effect, and the exchange rate has a partial effect on the volume of Indonesian shrimp exports to America in the long run. The United States' Gross Domestic Product (GDP), competitor shrimp prices, and exchange rates have a positive effect, while domestic shrimp prices have a negative effect on the volume of Indonesian shrimp exports to America in the short term[21].

Appendix 2: Operational Definition of Variables

Variable	Variable Definition
Export Volume of Indonesian Shrimp to the United States (Y)	The dependent variable used in this study is the volume of shrimp exports in Indonesia. The total volume of Indonesian shrimp exports marketed in the international market in the period 1989-2020. Shrimp volume data obtained from UN] Comtrade code HS 030613, the central statistical agency, several editions, with the classification of crustaceans; shrimps and prawns, frozen (whether in a shell or not, whether or not cooked by steaming or by boiling in water) are expressed in kg.

20 Andrea Tri and others, 'JAMBURA JOURNAL OF PROBABILITY AND STATISTICS Volume 1 Nomor 2, November 2020', 1.November (2020).

21 Febrian, 'ANALISIS FAKTOR YANG MEMPENGARUHI EKSPOR UDANG INDONESIA KE AMERIKA SERIKAT TAHUN 1992-2017'

Indonesian Domestics Shrimp Prices (X1)	The price of shrimp in Indonesia is the average price of shrimp sold in the Indonesian market. The price of shrimp is obtained from the value of exports divided by the volume of exports. Domestic price data is obtained from UN Comtrade code HS 030613 in the period 1989-2020 which is expressed in units of US $ / kg.
Competitors Shrimp Price (X2)	The price of Competitor's shrimp is the average price of shrimp sold in the Competitor market. In this research, the writer uses the China Price as a competitor price. The price of shrimp is obtained from the value of exports divided by the volume of exports. Competitor price data is obtained from UN Comtrade code HS 030613 in the period 1989-2020 which is expressed in units of US $ / kg.
Rupiah exchange rate against the dollar (X3)	According to the Salvator, exchange rate is the price of one currency against another22. In this study, it means the price of the Rupiah against the Dollar. Exchange rates are used in conducting economic transactions as a means of payment. Exchange rate data were obtained from the World Bank & BI during the period 1989-2020 which were expressed in Rupiah units.
United States Gross Domestic Product (X4)	Gross Domestic Product is often referred to as per capita income. GDP is the value of goods and services produced by a country within one year. US GDP data is obtained from the World Bank and IMF, in the period 1989-2020 which is expressed in units of million US dollars.

Appendix 3: Data on Indonesia export shrimp to USA, Domestic price of shrimp, Competitor price of shrimp, USA GDP AndRupiah Exchange Rate for the Years 1989-2020

Years	Indonesia Export Shrimp to USA (Kg)	Competitor Price (US$/Kg)	Domestics Price (US$/Kg)	Ex Rate (US$/Rp.)	GDP (US$ Million)
1989	7633507	$3,19	$ 5,91	1922.72	5,461,600
1990	8599550	$5,08	$ 9,35	1954.31	5,963,125
1991	12892257	$7,08	$ 8,85	1960.05	6,158,125
1992	14601109	$8,71	$ 8,08	2029.92	6,539,300
1993	10343445	$5,05	$ 8,87	2087.1	6,878,700
1994	8003460	$5,00	$ 9,67	2160.75	7,308,775
1995	3722562	$6,11	$ 10,84	2248.61	7,664,050
1996	6779234	$4,16	$ 11,33	2342.3	8,100,175

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22 Salvator, 'Pengertian Kurs Mata Uang, Jenis Dan Faktor Yang Mempengaruhi Nilai Tukar', 2016

1997	7903675	$4,51	$ 12,85	2909.38	8,608,525
1998	10924968	$4,07	$ 10,83	10013.62	9,089,150
1999	10800761	$3,90	$ 9,96	7855.15	9,660,625
2000	14372998	$4,98	$ 10,64	8421.78	10,284,750
2001	14768071	$4,82	$ 9,10	10260.85	10,621,825
2002	15570246	$4,72	$ 8,18	9311.19	10,977,525
2003	19480364	$5,08	$ 7,27	8577.13	11,510,675
2004	31951492	$5,16	$ 6,87	8938.85	12,274,925
2005	38393872	$4,86	$ 6,32	9704.74	13,093,700
2006	46121274	$4,88	$ 6,71	9159.32	13,855,900
2007	42213144	$5,91	$ 6,87	9141.00	14,477,625
2008	50117290	$7,27	$ 6,86	9698.96	14,718,575
2009	41450150	$6,51	$ 6,43	10389.94	14,418,725
2010	41326787	$7,37	$ 7,57	9090.43	14,964,400
2011	53796720	$8,10	$ 8,60	8770.43	15,517,925
2012	58137531	$7,46	$ 7,96	9386.63	16,155,250
2013	62881830	$8,04	$ 10,63	10461.24	16,691,500
2014	83071110	$8,67	$ 11,93	11865.21	17,393,100
2015	80162950	$10,85	$ 9,02	13389.41	18,120,700
2016	90416070	$10,88	$ 9,41	13308.32	18,624,450
2017	105125323	$11,05	$ 9,33	13380.87	19,485,400
2018	118314621	$10,38	$ 9,88	14317.69	20,494,050
2019	127628212	$10,52	$ 9,02	14217.06	21,344,667
2020	134153418	$9,64	$ 8,44	14645.12	20,807,269

Appendix 4: Result Multiple Regression Using Least Squares
Dependent Variable: LOG_EXPORT
Method: Least Squares
Date: 05/14/21   Time: 17:22
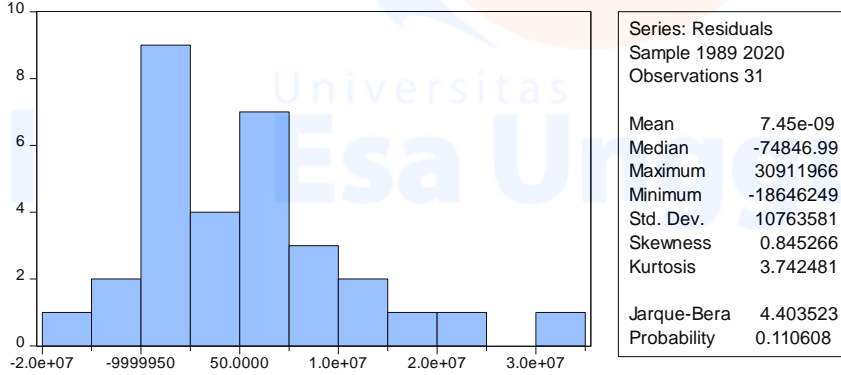Sample: 1989 2020
Included observations: 31

Variable	Coefficient	Std. Error	t-Statistic	Prob.
LOG_EX_RATE	-0.317290	0.197722	-2.327213	0.1202
LOG_DOMESTIC_PRICE	-0.937376	0.268296	-3.493807	0.0017
LOG_GDP_USA	1.633798	0.499871	3.268440	0.0030
LOG_COMPETITOR_PRICE	0.967208	0.298644	3.238667	0.0033
C	-9.774000	6.228714	-1.569184	0.1287

R-squared	0.937036	Mean dependent var	17.13862
Adjusted R-squared	0.927349	S.D. dependent var	1.034212
S.E. of regression	0.278760	Akaike info criterion	0.429760
Sum squared resid	2.020389	Schwarz criterion	0.661049
Log likelihood	-1.661287	Hannan-Quinn criter.	0.505155

F-statistic	96.73301	Durbin-Watson stat	1.361802
Prob(F-statistic)	0.000000		

Notes: significant at α= 5%

Appendix 5: Result Normality test

Series: Residuals	
Sample 1989 2020	
Observations 31	
Mean	7.45e-09
Median	-74846.99
Maximum	30911966
Minimum	-18646249
Std. Dev.	10763581
Skewness	0.845266
Kurtosis	3.742481
Jarque-Bera	4.403523
Probability	0.110608

Appendix 6: Multicollinearity test on HAC (Newey West) result

Variance Inflation Factors
Date: 05/14/21   Time: 18:12
Sample: 1989 2020
Included observations: 31

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
EX_RATE	1431943.	46.65788	4.761006
DOMESTIC_PRICE	1.59E+12	106.8249	1.898819
COMPETITOR_PRICE	1.92E+12	32.79838	2.434221
GDP_USA	3.085311	204.8113	6.189018
C	3.16E+14	190.2538	NA

Appendix 7: Autocorrelation test Result
Breusch-Godfrey Serial Correlation LM Test:

F-statistic	2.196623	Prob. F(8,18)	0.0790
Obs*R-squared	15.31394	Prob. Chi-Square(8)	0.0533

Test Equation:
Dependent Variable: RESID
Method: Least Squares
Date: 05/14/21   Time: 17:55
Sample: 1989 2020
Included observations: 31
Presample and interior missing value lagged residuals set to zero.

Variable	Coefficient	Std. Error	t-Statistic	Prob.
EX_RATE	-1646.349	1558.422	-1.056421	0.3047
DOMESTIC_PRICE	2066918.	1618751.	1.276860	0.2179
COMPETITOR_PRICE	-5121509.	2942495.	-1.740533	0.0988
GDP_USA	2.617125	1.787167	1.464398	0.1603

C	-5175383.	12568687	-0.411768	0.6854
RESID(-1)	0.582249	0.252743	2.303718	0.0334
RESID(-2)	0.341058	0.307949	1.107516	0.2827
RESID(-3)	0.014290	0.348872	0.040959	0.9678
RESID(-4)	-0.118662	0.326455	-0.363486	0.7205
RESID(-5)	-0.213515	0.317945	-0.671548	0.5104
RESID(-6)	-0.248293	0.337914	-0.734780	0.4719
RESID(-7)	-0.386889	0.445372	-0.868688	0.3965
RESID(-8)	-0.443447	0.434913	-1.019622	0.3214

R-squared	0.493998	Mean dependent var	7.45E-09
Adjusted R-squared	0.156663	S.D. dependent var	10763581
S.E. of regression	9884558.	Akaike info criterion	35.34594
Sum squared resid	1.76E+15	Schwarz criterion	35.94729
Log likelihood	-534.8621	Hannan-Quinn criter.	35.54196
F-statistic	1.464415	Durbin-Watson stat	1.553068
Prob(F-statistic)	0.225413		

Appendix 8: Heteroscedasticity Test Result

Heteroskedasticity Test: Breusch-Pagan-Godfrey

F-statistic	1.400209	Prob. F(4,26)	0.2616
Obs*R-squared	5.494345	Prob. Chi-Square(4)	0.2402
Scaled explained SS	5.299720	Prob. Chi-Square(4)	0.2579

Test Equation:
Dependent Variable: RESID^2
Method: Least Squares
Date: 05/14/21   Time: 17:52
Sample: 1989 2020
Included observations: 31

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.15E+14	2.08E+14	0.550762	0.5865
EX_RATE	-1.81E+10	2.19E+10	-0.828048	0.4152
DOMESTIC_PRICE	-2.29E+13	2.03E+13	-1.127933	0.2696
COMPETITOR_PRICE	4.46E+12	3.10E+13	0.143753	0.8868
GDP_USA	25092807	26738619	0.938448	0.3567

R-squared	0.177237	Mean dependent var	1.12E+14
Adjusted R-squared	0.050658	S.D. dependent var	1.89E+14
S.E. of regression	1.84E+14	Akaike info criterion	68.67537
Sum squared resid	8.79E+29	Schwarz criterion	68.90666
Log likelihood	-1059.468	Hannan-Quinn criter.	68.75076
F-statistic	1.400209	Durbin-Watson stat	0.935021
Prob(F-statistic)	0.261591		

Appendix 9: Linearity Test Result Table

Ramsey RESET Test
Equation: UNTITLED
Specification: EXPORT EX_RATE DOMESTIC_PRICE COMPETITOR_PRI
    CE GDP_USA C
Omitted Variables: Squares of fitted values

	Value	df	Probability
t-statistic	7.293749	25	0.0000
F-statistic	53.19878	(1, 25)	0.0000
Likelihood ratio	35.35172	1	0.0000

F-test summary:

	Sum of Sq.	df	Mean Squares
Test SSR	2.36E+15	1	2.36E+15
Restricted SSR	3.48E+15	26	1.34E+14
Unrestricted SSR	1.11E+15	25	4.44E+13

LR test summary:

	Value
Restricted LogL	-545.4209
Unrestricted LogL	-527.7450

Appendix 10: Turnitin result

APPENDIX 10: CV

AAN FALEN KUNCORO

JAKARTA, 05 SEPTEMBER 1999

CONTACT

📍 Grogol Petamburan ,
west Jakarta 11470

✉️ aanfalen12@gmail.com

📞 +6281385270753

in AanFalenKuncoro

SKILLS AND INTEREST

🔖 **Skills**

Microsoft Office

Administration

Multitasking

Data Analysis

Digital Marketing

Good Comunication

Matemathics

Accurate

Critical

🔖 **Language**

Indonesian

English (TOEFL : 507 /600)

Chinese (HSK 3 : 181 /300)

🔖 **Interest**

Accounting

Finance

Marketing

International Bussines

Supply Chain Managemen

Production Planing and Control

PERSONALITY

I am a fresh graduate with a specialization in Accounting and International Business. My school experience helped me become an independent, disciplined hard worker and a good planner. Overseas school opportunities also study in two Univeristy makes me have ambition and become a person who is diligent, agile and able to work under pressure. I also always like experiences and love to learn something new also excelent both in team work and individual. So, i am looking for job opportunities that provide opportunities for further development.

WORKING EXPERIENCE

Graduate Trainee - Staff Sales and Marketing
Dahua Vision Technology Indonesia | February 2021 - April 2021

- know the basic knowledge of CCTV, products and accessories, as well as sharing sessions with the Dahua senior team.
- Presenting new products from Dahua CCTV to customers.

COURSE

Ali Express Cross Border E-Comerce Training
Held in Nanjing Xiaozhuang University | September 2020 - February 2021

Cesim Business Simulation
Held in Nanjing Xiaozhuang University | September 2020 - February 2021

Sim Trade Business Simulation Training
Held in Nanjing Xiaozhuang University | September 2020 - February 2021

CIA - Certified Internal Auditor
Organizer by The Institute of Internal Auditors | 2019

SAP - ERP TERP10 Integration of Business Process
Organizer by Monsoon Academy | 2019

EDUCATIONAL BACKROUND

Nanjing Xiaozhuang University
Bachelor Of Art In Economics | September 2017 - Juni 2021

International Trade and Business | GPA 4.01 / 5.0

Esa Unggul University
Bachelor Of Accountant | September 2017 - Juni 2021

Accounting | GPA 3.79 / 4.0

ORGANIZATION

Garuda Nanjing
Member

AWARDS

Full Scholarship program in Nanjing Xiaozhuang University and Esa Unggul University
September 2017 - Juni 2021

OSN Economy and Accounting - Olimpiad Sains Nasional
march 2016