

**The first International Seminar of Widyaaiswara 2019**

# e-Proceedings

**Electronic Source**

**BPSDMD Campus, Pandeglang, Banten Province  
25 – 28 February 2019**

**Theme: “Creating Adaptive and Responsive Bureaucracy”**



**IWI**

**Banten Province**



**BPSDMD**

**Banten Province**

ISBN 978-602-73638-3-0



9 786027 363830



**Penerbit: Ikatan Widyaaiswara Indonesia (IWI) Provinsi Banten**

# Table of Contents

# E-Proceedings

The First International Seminal of Widyaiswara  
Widyaiswara Association of Banten Province (IWI Banten)

BPSPDM of Banten Province, Pandeglang, 25 - 28 February 2019

		<b>Pages</b>	
	Preface	i	
	Organizing Committee and Reviewing Team	ii	
	Table of Contents	iii	xi
	Seminar Rundown	xii	xiv
	<b>KEYNOTE SPEAKER MATERIALS</b>		
1	<b>Dr. Adi Suyanto</b> , Head of Indonesia National Institute of Public Administration		
2	<b>Ms. Roksana Khan</b> , Public Sector Lead Adviser, the Australia-Indonesia Partnership for Economic Development (Prospera)		
3	<b>Mr. Arnel Capili</b> , Deputy Executive Director, ASEAN Coordinating Centre for Humanitarian Assistance (AHA Centre)		
4	<b>Juliaty Ansye Sopacua, Ph.D</b> , Technical Advisor of SDGs for UNDP Indonesia		

## LIST OF EXTENDED ABSTRACTS

No	Paper Title	Author(s)	Affiliation	Pages	
1	Understanding the Return of Indonesia's Fertility Pattern	Anindita Dyah Sekarpuri	BKKBN	1	3
2	Participatory Population Development Model in Border Area: Grand Design Study on Population Development in Merauke Regency	Soemedi Hadiyanto <sup>1</sup> and Riduan Zaki <sup>2</sup>	<sup>1</sup> Health Workers Training Center of Papua Province (Bapelkes Papua) <sup>2</sup> Health Workers Training Center of Central Kalimantan Province (Bapelkes Central Kalimantan)	4	6
3	The Role of Leaders on Sustainability of Innovation Post Leadership Education and Training Level IV West Papua Province	Natan Tanduk Lande	BPSPDMD West Papua Province,	7	9
4	Development Strategy of Village Owned Enterprises Based on Village Expenditure	Mustofa Kamal	Pusdiklatwas BPKP	10	12

No	Paper Title	Author(s)	Affiliation	Pages	
5	Development Of Sustainable Procurement Systems In Banten	Yanuar Wijayanto	The Development Center for Transport Human Resources, Ministry of Transport RI	13	15
6	Optimization of Mangement Approach, Networking and Community Participation in Accreditation Assistance at Harapan health center in Jayapura Regency	Soemedi Hadiyanto <sup>1</sup> and Riduan Zaki <sup>2</sup>	<sup>1</sup> Health Workers Training Center of Papua Province (Bapelkes Papua) <sup>2</sup> Health Workers Training Center of Central Kalimantan Province (Bapelkes Central Kalimantan)	16	18
7	Participant Perceptions on Training Curriculum and Learning Outcome Through Assessor Competency Assessment Training	Juniarto Widodo	Education and Training Center BMKG	19	21
8	The Adaptation Of Pestle And Value Chain Analysis In Diagnostic Reading Process	Rachmat Soegiharto	BPSDMD, Province Banten	22	24
9	Analysis of Market Procurement Values on the Failure of Tender/ Selection Process	Euis Mulyaningsih <sup>1</sup> and Entus Sahal Tusturi <sup>2</sup>	<sup>1</sup> BPSDMD Provinsi Banten <sup>2</sup> Biro Administrasi Pembangunan Setda Provinsi Banten	25	27
10	Formulation of Performance Indicators From Whole of Government Perspective	Zaniar Aswandi	BPSDM Provinsi Kalimantan Barat	28	30
11	Disaster Wound Management with 7 Steps Disaster Wound Care in Indonesia 2018	Hendra	UPT Pelatihan Kesehatan Propinsi Kalimantan Barat	31	33
12	Relationship of Try Out Against Real Test Results on Basic Levels of PBJ Certification in BPKP	Wakhyudi	Pusdiklatwas BPKP	34	36
13	Analysis of Difference in Acceptance of E-Learning System with Technology Acceptance Model and Reparameterization Method	Budi Subandriyo	Education and Training Center, BPS-Statistics Indonesia	37	39
14	Knowledge Management Systems for Disaster Management	Utama Andri Arjita	Badan Pusat Statistik, Banten	40	42

No	Paper Title	Author(s)	Affiliation	Pages	
15	Relationship of Leader Member Exchange Quality to Individual Readiness for Change Through Softskill Mentoring Workshop	Khaeri Marifah <sup>1</sup> and Arum Etikariena <sup>2</sup>	<sup>1</sup> BKKBN, Halim Perdanakusumah, Jakarta <sup>2</sup> Fakultas Psikologi, Universitas Indonesia,	43	45
16	The Analysis on the Items of the Pre-Test of Training Communication Manager Behavior Change	Helni	Jambi Province Health Training Center, Jambi	46	48
17	Comparation Study of Hypertension Events in Training TOT (Training Of Trainer) On Family Healthy	Supriyono	BPSDMD Provinsi Jawa Tengah	49	51
18	The Adaptation of Pestle and Value Chain Analysis in Diagnostic Reading Process	Rachmat Soegiharto	BPSDMD of Banten Province	52	54
19	Innovation oCivil Service Police Unit in Controlling Slum Buildings in Pontianak City	Sofiati	Human Resource Development Agency of West Kalimantan Province	55	57
20	The Effect of Acupuncture Therapy on Reducing Waist And Hip Circumference	Rina Rostarina <sup>1</sup> and Carissa Wityadarda <sup>2</sup>	<sup>1</sup> Lecture of Health Training, West Java Health Departement, Bandung <sup>2</sup> STAB NALANDA, Dharma Usada,	58	60
21	The Early Prevention to Reduce the Risk of Disasters Caused by Forest Fire	Bosman Donald Hutahaeen	BPSDM Provinsi Kalimantan Barat,	61	63
22	Legal Metrology Personnel Training System	Reni Sri Marliani and Achmad Nurhadi	Development Center of Metrological Resources, Ministry of Trade, Bandung	64	66
23	Utilization of Information Technology in Scientific Writing	Yana Irawati	Balai Besar Pelatihan Kesehatan Jakarta,	67	69
24	The Effectiveness of Pager Mangkok Program in Ngembatpadas, Sragen Regency	Nur Endah Widyastuti	Badan Kepegawaian Pendidikan dan Pelatihan Kabupaten Sragen	70	72
25	Waste Management Policy in Kota Tangerang Selatan	Muhammad Iqbal Fadillah	National Institute of Public Administration (LAN RI), Jakarta	73	75
26	Indonesia State Civil Apparatus for the Millennials (Generation Z)	Vetty Iona, Yuni Widyastika, and Alfiah Pra Mundiarsih	Ministry of Manpower of Republic Indonesia	76	78

No	Paper Title	Author(s)	Affiliation	Pages	
27	Fulfillment of Human Resources Needs of Legal Metrology Through Government Employees With Work Agreement	Suci Ingrid Daniati	Metrological Resources Development Centre (MRDC), Ministry of Trade, Republic of Indonesia,	79	81
28	The Success of The RPJPD'S Vision is More Determined by The Direction and Policies of The Rjpd than the RPJMD Vision	Hafiz Supriyadi	Human Resouces Agency of Kepulauan Riau Province	82	84
29	Increasing Efficiency of Multiple Choice Pre And Post Test Using Online Quiz	Wicaksono Febriantoro and Edwin Masykuri	PPSDK Ministry of Trade	85	87
30	Cross Political on Official Province Positioning Placement in the Riau Islands Provincial Government	Hasim As'ari and Teguh Ahmad Syafari	Official Mentoring on Human Resources Development and Human Resources Agency of Kepulauan Riau Province	88	90
31	Probabilistic Seismic Hazard Analysis Training	Madona	BMKG Education and Training Center	91	93
32	Comparative Study of Value Scores Pre and Post Test on Regional Health Planning Training	Supriyono and Agus Pujiyanto	BPSDMD of Central Java Province,	94	96
33	Poverty Policy and Economic Growth of Kepulauan Riau Province	Hasim As'ari	Human Resources Development Agency of Kepulauan Riau Province	97	99
34	The Accountability of Civil Servants Is of Good Value Can Prevent Corruption on Regional Device Organization and Contribute to Good Gonernance	Supinah	Human Resource Development and Human Resource Agency of The Riau Islands Province	100	102
35	The Application of Constructivism Learning Approach in Training in BPSDMD	Ecih Sukemsih	BPSDM of West Kalimantan Province	103	105
36	Testing the Widyaiswara's Loyalty in the Selected Profession: A Case Study on Banten's Widyaiswara	Nazarudin	BPSDM of Banten Province	106	106
37	Implementation of Scaffolding Learning Methods in Training in Central Sulawesi LPMP	Faizal	LPMP Central Sulawesi	109	111

No	Paper Title	Author(s)	Affiliation	Pages	
38	The Role of Bureaucracy in Community Empowerment	Christian Tobing	BPSDM West Kalimantan Prov	112	114
39	Learning From Rebranding 'Jogja' Logo: When People with Traditional Culture Use the Power of Cyberdemocracy	Anggraeni Wulandari and Rahmat Hidayat	Population and Family Planning Board in the Special Region of Yogyakarta	115	117
40	Increasing the Capacity of Communities to Live with Disasters in Central Sulawesi Province	Silviani Kesuma <sup>1</sup> and Abdul Malik <sup>2</sup>	<sup>1</sup> BPSDMD Central Sulawesi Province <sup>2</sup> Muhammadiyah University of Palu	118	120
41	The Utilization of Protected Forest to Improve Social Economy in Border Area of Indonesia-Malaysia	Ersa Tri Fitriasari	Badan Pengembangan Sumber Daya Manusia Provinsi Kalimantan Barat	121	123
42	Kampung KB : A Strategic Policy to Increase Human Quality of Life and Build Indonesia From the Periphery	Dessy Phawestrina	Representatif of the National Population and Family Planning Board –BKKBN- The Special Region of Yogyakarta,	124	126
43	Corruption Prevention Strategy Through Declaration of Wbk at the Ministry of Social Affairs PSDBS Directorate	Bonnie Isramirania	Ministry of Social Affairs, Jakarta, Indonesia,	127	129
44	Evaluation of Seven Steps Quality Improvement Process in Sukanagalih Community Health Center	Nina Hernawati	Balai Besar Pelatihan Kesehatan (BBPK) Ciloto	130	132
45	Literacy On Industry 4.0 For Widyaiswara	Yuliana Ria Uli Sitanggang	Pusat Pendidikan dan Pelatihan BPS	133	135
46	The Role of Pharmaceutical Personnel in Providing Medicine in Puskesmas to Support PISPK	Miftakhuddiniyah	Balai Besar Pelatihan Kesehatan Jakarta	136	138
47	Vegetation Density Analysis of Cibareno Watersheds Using Multitemporal Landsat 8 Imagery	I Ketut Sutarga	BIG, Bogor	139	141
48	Requirements for Special Contracts in the Procurement Implementation Plan in Banten Province OPD 2018 (During Review)	Ishak Musa <sup>1</sup> and Ihlaz Ahmad Subarkah <sup>2</sup>	<sup>1</sup> BPSDMD Provinsi Banten <sup>2</sup> Biro Administrasi Pembangunan Setda Provinsi Banten	142	144



No	Paper Title	Author(s)	Affiliation	Pages	
49	The Influence of Local Characteristics on Disclosure in Indonesia Local Government Financial Reports	Farid Handoko	Badan Pengawasan Keuangan dan Pembangunan, Bogor	145	147
50	Web-Based Knowledge Management System Obstacles in Financial Education and Training Agency	Arfin and Ribut Sugianto	Customs and Excise Education and Training Center, Jakarta	148	150
51	Forecasting Passenger Amount of Air Transport Coming From Overseas in Soekarno Hatta Airport Banten	Jimmy Ludin	Education And Training Center Statistics, Jakarta	151	153
52	E-Learning as a Mean to Improve the Certification Training Program for Government Internal Auditor Candidates	Evan Evianto	Pusat Pendidikan dan Pelatihan Pengawasan BPKP, Bogor	154	156
53	The Role of Social Capital on Household Poverty in Rural and Urban Areas of Banten Province	Ahmadrswan Nasution	Pusdiklat BPS	157	159
54	Measuring the Success of Computer Administra-tion Functional Training With the Pre-Test and Post-Test Methods	Budi Subandriyo	Education and Training Center, BPS-Statistics Indonesia	160	162
55	The Factors That Affecting Women's Decision to Work in Banten Province In 2018	Euis Naya Sari and Linda Annisa	Widyaiswara Ahli Muda Pusdiklat BPS and Fungsional Umum BPS	163	165
56	Shifting Consumption Pattern in Banten Province in 2018	Sri Sayekti	Pusdiklat BPS,	166	168
57	Entrepreneurship Empowerment Pattern Coastal Youth in Kronjo District Tangerang Regency Banten	Bambang Setiawan	Sukamandi Apparatus Training Center, BRSD MKP, Ministry of Maritime Affairs and Fisheries	169	171
58	Project Based Learning Model in Learning the Subject of Governance, Risk Management and Internal Control	Mohamad Syafrudin Bustomi and Mustofa Kamal	Training and Education Supervisory Center of BPKP (Pusdiklat Pengawasan BPKP), Bogor	172	174
59	Study of Innovations for Fulfillment of Professional Development Credit Point on Widyaiswara Functional Position	Rini Septowati	Pusdiklatwas BPKP, Ciawi Bogor	175	177

No	Paper Title	Author(s)	Affiliation	Pages	
60	The Digital Economy: Opportunities of Competition Policy on Online and Conventional Transportation in Banten Province	Edy Santoso	BPSDM Kemenkumham RI	178	180
61	Inspection of Ice Cream Quantity as Elements in Consumer Protection in Legal Metrology	Lita Annita Fajarani	Pusat Pengembangan Sumber Daya Kemetrolgian	181	183
62	Performance Indonesian Coffee Export to Canada: The Opportunity and Strategy	Rahayu Widyantini	BBPPEI, West Jakarta	184	186
63	The Impact of Import Duty Exemption Policy of Delivery Goods in Indonesia	Wisnu Nugrahini	Customs and Excise Education and Training Center, Jakarta	187	189
64	Tender Failed in The Government of Banten Province Environment 2018 Budget Year (Type of Procurement and Causes)	Ishak Musa <sup>1</sup> and Entus Sahal Tusturi <sup>2</sup>	<sup>1</sup> BPSDMD Provinsi Banten <sup>2</sup> Biro Administrasi Pembangunan Setda Provinsi Banten	190	192
65	An Update on Small Scale Weather System Analysis in Serang Regions Banten Province	Ratih Prasetya <sup>1</sup> and Nely Ramah Kurniawati <sup>2</sup>	<sup>1</sup> BMKG Education and Training Centre <sup>2</sup> Balai Besar BMKG Regional	193	195
66	Lesson Learn From Tsunami 22 December 2018 for Disaster Mitigation System in Coastal Area of Banten Province	Dede Tarmana	Training & Education Center of BMKG, 9 th Floor A BMKG Building	196	198
67	Analysis of Safeguarding Land Assets at Syarif Hidayatullah State Islamic University Jakarta	Agustina	Ministry of Religion Education and Training Center	199	201
68	Ergonomic Design of Support Equipment on The Prover Tank (Volume Standard) for Fuel Dispenser Testing	Herfin Yienda Prihensa and Irwan Setiawan	PPSDK, Bandung	202	204
69	Development of an Android-Based Mobile Learning as a Media in Teaching Fuel Dispenser Testing	Irwan Setiawan and Achsan Rifani	PPSDK, Bandung	205	207
70	Utilization of Internet by Agricultural Business Households in Banten Province	Asep Supriatna	BPSDMD of Banten Province	208	210



No	Paper Title	Author(s)	Affiliation	Pages	
71	Survey the Suitability Between Supervisor Functional Training Curriculum with the Need and Effectiveness of the Learning Process	Agung Basuki	BPSDMD of Banten Province	211	213
72	Analysis of Population Food Consumption of Serang City 2013-2017	Hari Suharsa	BPSDMD of Banten Province	214	216
73	Preparation of Position Technical Competence Standard for Technical Implementation Officer of the Activity in Banten Province	Budi R Hudaya	BPSDMD of Banten Province	217	219
74	Expanding Capacity of Rapid Molecular Testing to Enhanced Toss TB (TB Find, Treat, And Cure) Strategy	Husnul Amri	BPSDMD of Banten Province	220	222
75	Survey the Suitability Between Headmaster Fungsional Training Curriculum with the Need and Effectiveness of the Learning Process	Agung Basuki	BPSDMD of Banten Province	223	225
76	Short List and Delivery of Selection of Consultancy Services in the Government of Banten Province in Budget 2017 and 2018	Ishak Musa <sup>1</sup> and Yasin Yasani <sup>2</sup>	<sup>1</sup> BPSDMD Provinsi Banten <sup>2</sup> Biro Administrasi Pembangunan Setda Provinsi Banten	226	228
77	Organizational Citizenship Behavior (OCB) Approach as Effort to Increase the Productivity of Apparatus	Enong Rostiawati	BPSDMD Provinsi Banten	229	231
78	Implementation of the Complaint Mechanism to Improve the Quality of Service in Abepantai Health Center at Jayapura Municipality	Darwati <sup>1</sup> and Riduan Zaki <sup>2</sup>	<sup>1</sup> Health Workers Training Center of Papua Province (Bapelkes Papua) <sup>2</sup> Health Workers Training Center of Central Kalimantan Province (Bapelkes Central Kalimantan)	232	234
79	A Fundamental Problem in the Preparation of Completed Staff Work	Tata Zakaria	BPSDMD Provinsi Banten	235	236
80	Learning Method Innovation in Academic Writing	Endan Suwandana	BPSDMD Provinsi Banten	237	239

**Extended abstract**

## **FORECASTING PASSENGER AMOUNT OF AIR TRANSPORT COMING FROM OVERSEAS IN SOEKARNO HATTA AIRPORT BANTEN**

**Jimmy Ludin**

Education And Training Center Statistics, Jakarta, E-Mail: jimmy.ludin@gmail.com

### **Introduction**

Data on air transport traffic is very important to anticipate developments and plan the construction of facilities and infrastructure and human resources in the field of aviation (Santoso, 2018). Flight activities at airports can provide an overview of the development of air transportation in Indonesia (BPS, 2017). One of the airports in Indonesia is Soekarno Hatta International Airport in Banten province. The Soekarno Hatta International Airport plays a central role in aviation transport for the Jakarta Metropolitan Area domestic and international air transport (ITOCHU Corp, 2012).

This study intends to provide an overview of the development of traffic for passenger transportation coming from abroad at Soekarno Hatta International Airport. In addition, predictions will be made on the number of passengers per month in 2019 by using one method of periodic data analysis, the ARIMA method.

### **Method**

The data used is data on the number of passengers per month coming from abroad at the Soekarno Hatta International Airport in Banten Province from 2012 - 2018. For 2018 data available only until November. Data sources were obtained from the publication of BPS "Economic Indicators" from 2012 - 2018.

To estimate and predict the number of passengers per month, the Autoregressive Integrated Moving Average (ARIMA) method is used. An autoregressive integrated moving average (ARIMA) model is fitted to time series data either to better understand the data for predict future points in the series (forecasting) (Makridakis, 1999).

### **Important Findings and Discussion**

The average number of air transport passengers per month coming from abroad at Soekarno Hatta airport from 2012 to 2018 fluctuated and increased. The average number of passengers per month in 2012 was 488.1 thousand passengers with a standard deviation of 39.10 thousand passengers, while in 2018 the average number of passengers increased to 629.74 thousand passengers with a standard deviation of 48.81 thousand passengers.

The average air transport passenger per month coming from abroad at Soekarno Hatta airport from year to year has increased. In 2017 the average passenger per month is 604.67 thousand people with a standard deviation of 58.3 thousand people and in 2018 the average number of passengers per month rises to 626.72 thousand people with a standard deviation of 50 thousand people.

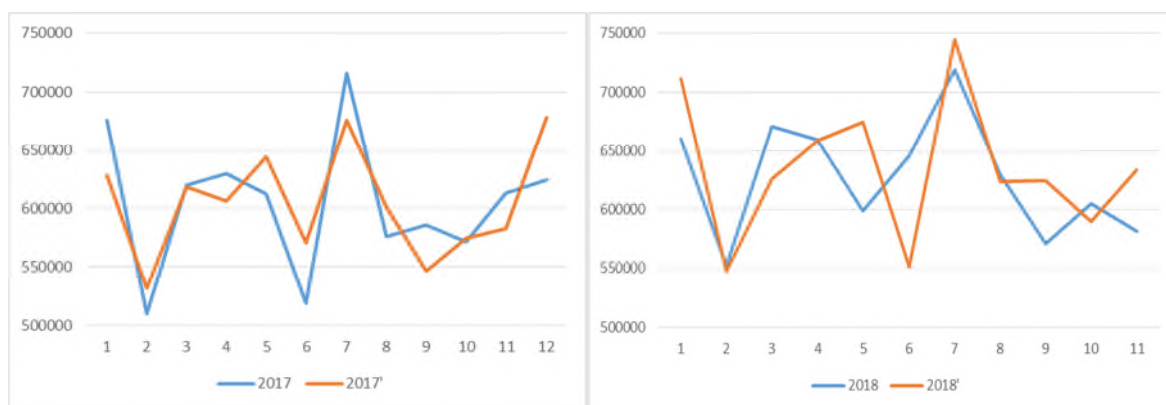


Fig 1. Data on Number of Passengers and Estimated Data for 2017 and 2018.

The estimated average passenger for 2017 is 605.07 thousand people. The difference in estimated value with actual value is only 400 passengers per month. In 2018, the estimated average passenger per month is 635 thousand passengers. The difference between the estimated value and the actual value is 8.2 thousand passengers per month.

Table 1. Descriptive Statistics.

Descriptive	2017	2017'	Gap 2017	2018	2018'	Gap 2018	2019'
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Mean	604.666,92	605.067,31	400,39	626.722,45	635.004,07	8.281,62	650.629,05
Std Dev	58.307,76	46.715,87		50.000,72	60.800,25		49.355,15
Minimum	510.121,	531.469,6	21.348,6	551.777,	547.308,8	-4.468,2	562.268
Maximum	716.064,	677.934,1	-38.129,9	718.827,	744.404,6	25.577,6	749.354
Sum	7.256.003,	7.260.807,7	4.804,7	6.893.947,	6.985.044,8	91.097,8	7.807.548,6
Count	12	12		11	11		12

Information:

2017 ' = 2017 estimate; 2018 ' = Estimated 2018; 2019 ' = Prediction in 2019

From the estimation results, it can be said that the difference between the estimated results data and actual data is very small, which is only about 0.07 percent in 2017 and 1.32 percent in 2018. So the ARIMA method is very well used to estimate data on the number of transport passengers air coming from abroad to Soekarno Hatta airport.

For 2019, the predicted number of passengers is 7.81 million passengers. The average passenger per month is 650.63 thousand passengers with a standard deviation of 49.35 thousand passengers. The minimum number of passengers is expected to occur in February, which is around 562.27 thousand

passengers, while the maximum number of passengers is estimated to occur in the month of 749.35 thousand passengers. Prediction data in 2019 can be seen in the table and figure below.

Table 2. Forecast Passenger 2019.

Month	2019'
January	701.228
February	562.268
March	681.777
April	678.525
May	636.212
June	622.610
July	749.354
August	638.486
September	609.563
October	622.253
November	627.218
December	678.055

## Conclusion

The average number of air transport passengers per month coming from abroad at Soekarno Hatta airport from 2012 to 2018 fluctuated and increased. ARIMA method can estimate data on passenger numbers very well, the difference is only around 0.07 percent in 2017 and 1.32 percent in 2018.

For 2019, the number of passengers is predicted to increase compared to 2018, which is 7.81 million passengers with an average passenger per month of 650.63 thousand passengers. The minimum number of passengers is expected to occur in February, which is around 562.27 thousand passengers, while the maximum number of passengers is estimated to occur in July, reaching 749.35 thousand passengers. In the face of an increase in the number of passengers that are expected to occur in 2019, the government can make adjustments by preparing various policies and programs in order to provide good service to the community.

## References

- BPS, 2016, *Air Transportation Statistics 2017*, BPS, Statistics Indonesia
- ITOCHU Corp, 2012, *Study On Soekarno Hatta International Airport Expansion And Upgrading Project In Jakarta In The Republic Of Indonesia*, Japan Economic Research Institute Inc
- Makridakis, S., 1999, *Metode dan aplikasi Peramalan*, Jakarta, Bina Rupa Aksara
- Santoso, A., 2018, <https://finance.detik.com/berita-ekonomi-bisnis/d-3933323/kemenhub-minta-bandara--maskapai-laporkan-data-secara-online>