MININSTRY OF TRANSPORTATION








TRANSPORTATION INFORMATION 2019

PUSTIKOMHUB



TRANSPORTATION INFORMATION
2019

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TRANSPORTATION INFORMATION 2019

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PREFACE

All praise to The most Almightiest God, Allah SWT for His blessings on us in accomplishing the book of Information of Ministry of Transportation 2019.

It is a kind of a pocket book that is provided the main information of transportation consisting of the developments of facilities and infrastructures, productions, safety, human resources and investments in land transportation, sea transportation, rail transportation, and civil aviation.

Our best regard for each party which has participated and given its contribution to this book either in its arrangement or provision of information. The book could to be downloaded on the Ministry of Transportation website (www.dephub.go.id). We hope that this book could be useful for all of us.

Jakarta, May 2020
Minister of Transportation

BUDI KARYA SUMADI

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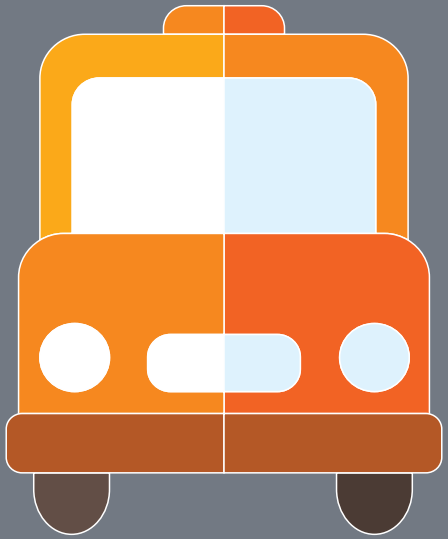
F. TRANSPORTATION SECTOR BUDGETING

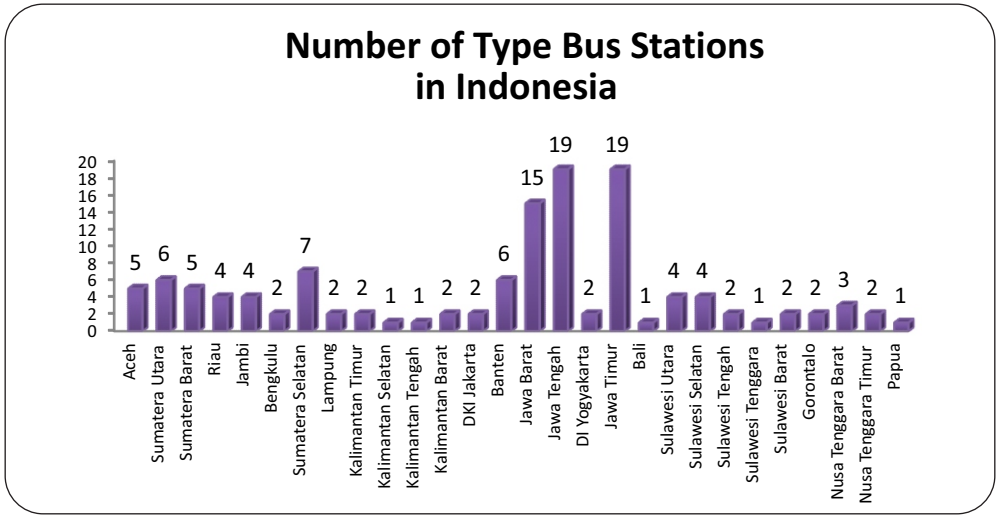
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LAND TRANSPORT





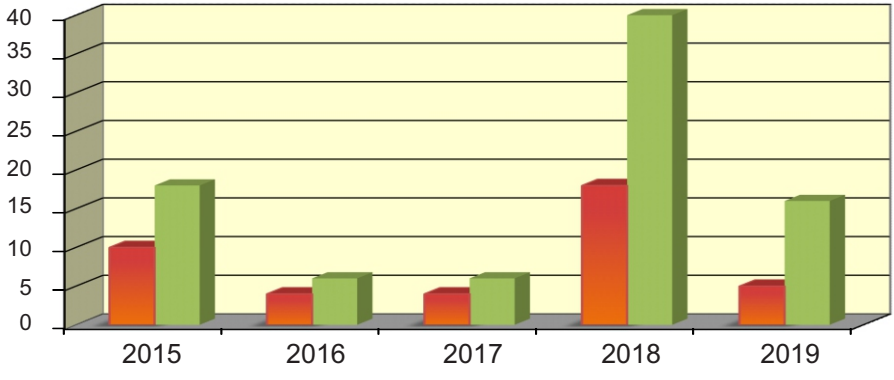
Total ofl Type A Bus Stations = 126

Source : Directorate General of Land Transportation, 2019

A. LAND TRANSPORT

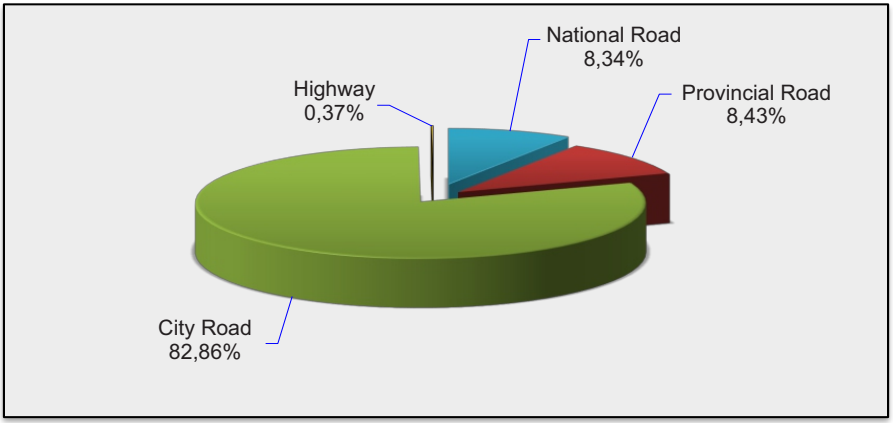
1. Road Transport Infrastructure

b. Number of Bus Stations Development and Reconstruction, 2015 - 2019



YEARS	2015	2016	2017	2018	2019	Total
Development	10	4	4	18	5	41
Development of Bus Station Completion	10	4	3	6	4	27
Development of New Bus Station	0	0	1	12	1	14
Reconstruction	18	6	6	40	16	86

Source : Directorate General of Land Transportation, 2019



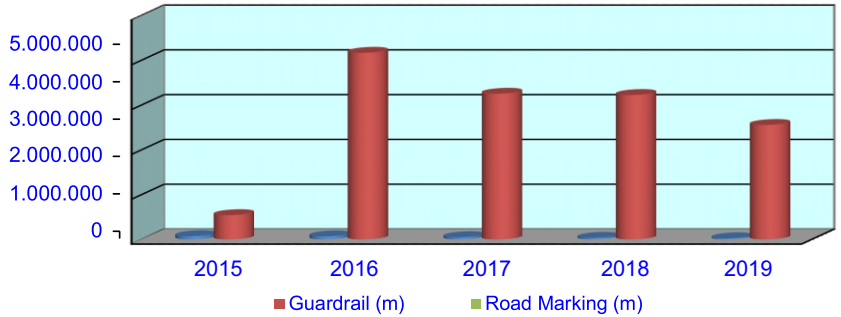
Road	National Road	Provincial Road	City Road	Highway
Length (Km)	47.017,27	47.536,77	467.363,00	2.093,00

Source : Directorate General of Land Transportation, 2019

A. LAND TRANSPORT

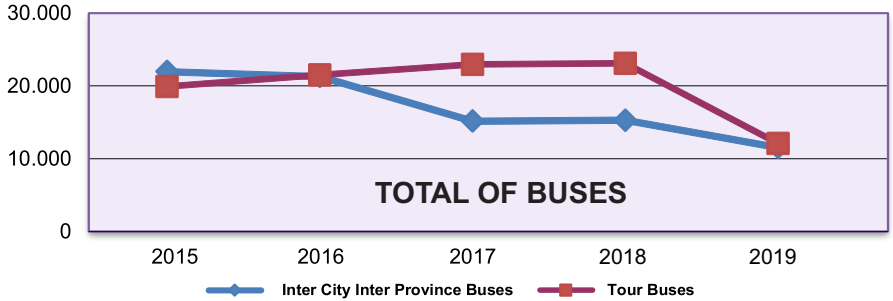
1. Road Transport Infrastructure

d. Annual Number of Guard Rail and Road Marking Constructions , 2015 - 2019



YEARS	2015	2016	2017	2018	2019
Guardrail (m)	74.092	69.075	50.140	36.809	26.876
Road Marking (m)	543.048	4.166.842	3.253.149	3.224.521	2.555.787

Source : Directorate General of Land Transportation, 2019



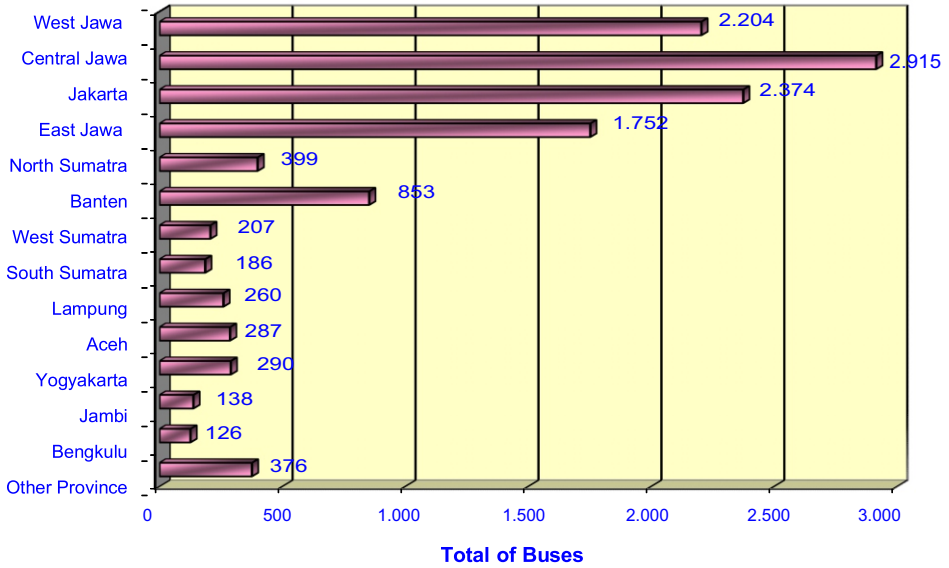
YEARS	Bus Companies	Inter-provincial Buses (unit)	Tour Buses (unit)	Total of Buses (unit)	Growth Total of Buses (%)
2015	2.981	23.464	21.277	**44.741**	5,56
2016	3.735	22.742	22.971	**45.713**	2,17
2017	3.725	16.238	24.524	**40.762**	-10,83
2018	3.965	16.353	24.679	**41.032**	0,66
2019	3.650	12.367	12.961	**25.328**	-38,27

Source : Directorate General of Land Transportation, 2019

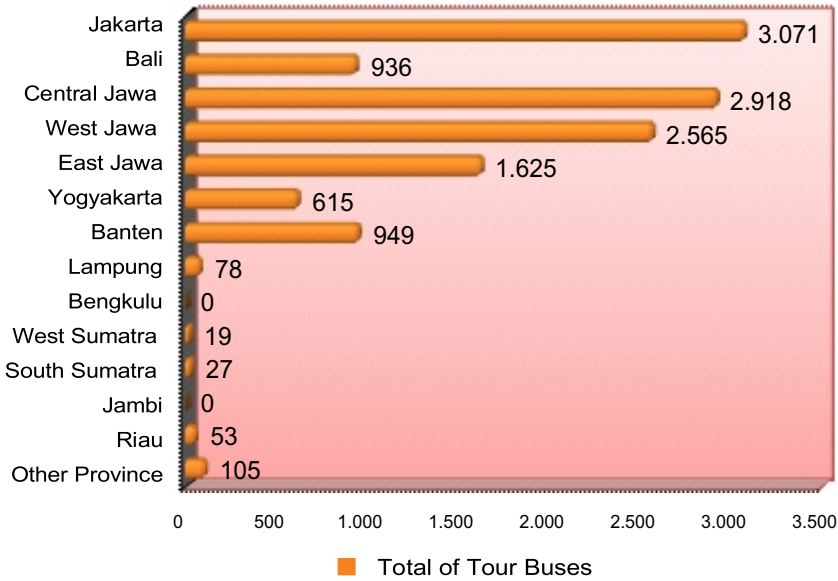
A. LAND TRANSPORTATION

1. Road Transport Modal

b. The Distribution of Intercity Coach Bus Services by Province, 2019



Source : Directorate General of Land Transportation, 2019

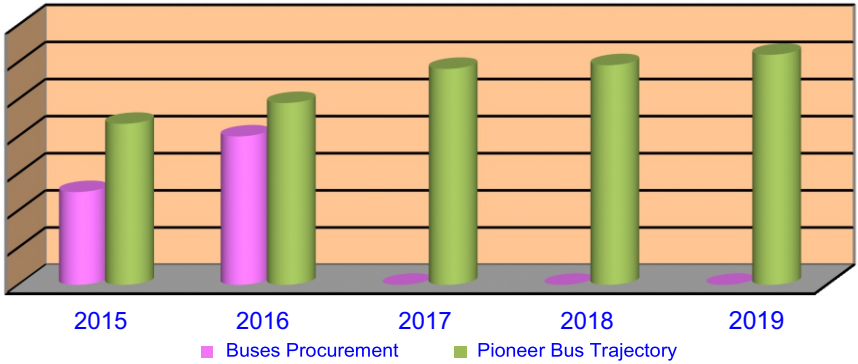


Source : Directorate General of Land Transportation, 2019

A. LAND TRANSPORTATION

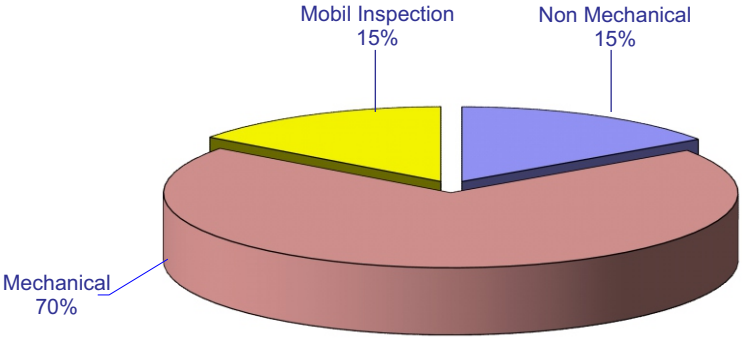
1. Road Transport Modal

d. Annual Procurement of Bus and Pioneering Bus Services, 2015 - 2019



YEARS	2015	2016	2017	2018	2019	Total
Buses Procurement	125	200	0	0	0	325
Pioneer Bus Trajectory	217	245	291	296	310	1359

Source : Directorate General of Land Transportation, 2019



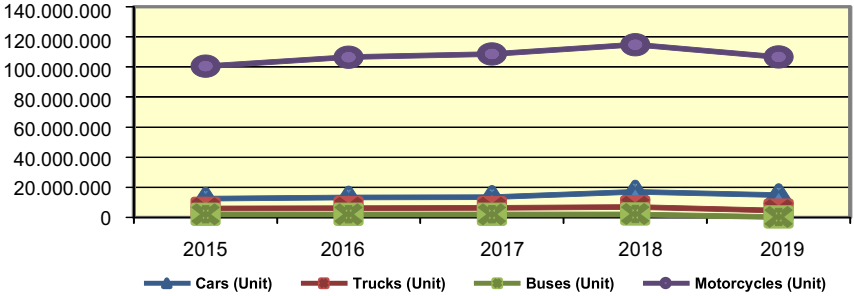
Equipment	Non Mechanical	Mechanical	Mobil Inspection	Total
Number (unit)	88	398	85	571

Source : Directorate General of Land Transportation, 2019

A. LAND TRANSPORTATION

3. Road Transport Modal

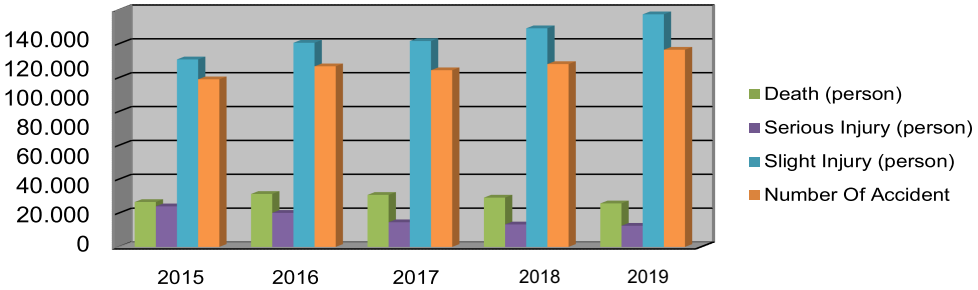
f. Number of Motorized Vehicles, 2015 - 2019



YEARS	2015	2016	2017	2018	2019	GROWTH TOTAL (%)
Cars (Unit)	12.424.358	13.278.197	13.589.328	17.072.358	14.848.853	0,91
Truks (Unit)	5.907.169	6.248.771	6.368.534	6.888.693	4.701.875	-4,50
Buses (Unit)	1.998.032	2.003.187	2.010.113	2.039.037	212.389	-22,02
Motorcycles (Unit)	100.457.355	106.538.948	108.594.712	114.785.638	106.653.655	1,87

Source : Directorate General of Land Transportation, 2019

3. Annual Number of Road Accidents, 2015 - 2019



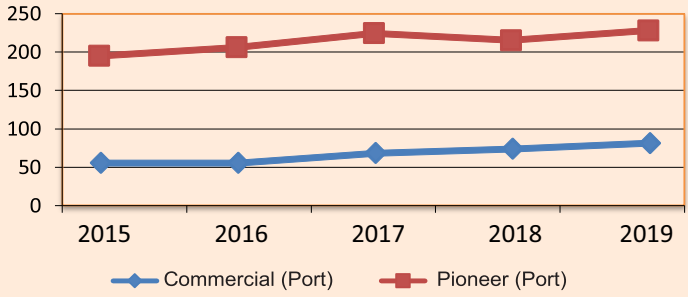
YEARS	2015	2016	2017	2018	2019
Death (Person)	26.495	31.262	30.694	29.083	25.671
Serious Injury (Person)	23.937	20.075	14.559	13.258	12.475
Slight Injury (person)	110.714	120.532	121.575	129.095	137.342
Number of Accident	**98.970**	**106.644**	**104.327**	**107.968**	**116.411**

Source : Indonesian National Police, 2019

B. INLAND WATER AND FERRY TRANSPORT

1. Inland Water and Ferry Transport Infrastructure

a. Annual Number of Commercial and Pioneering Ferry Transport Lines, 2015 - 2019



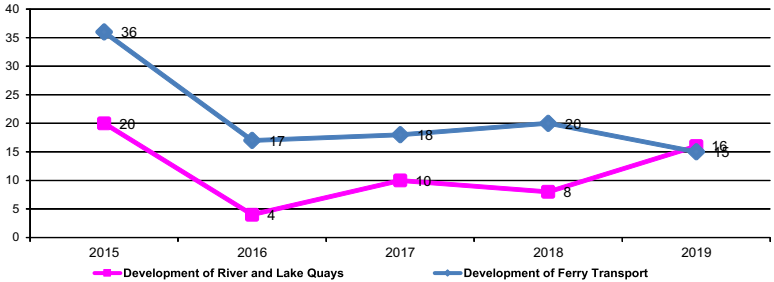
YEARS	2015	2016	2017	2018	2019
Commercial (Port)	51	51	58	61	65
Pioneer (Port)	211	217	227	222	229
Total (Port)	**262**	**268**	**285**	**283**	**294**

Source : Directorate General of Land Transportation, 2019

B. INLAND WATER AND FERRY TRANSPORT

1. Inland Water and Ferry Transport Infrastructure

b. Annual Construction and Maintenance of Inland Water Docks, 2015 - 2019



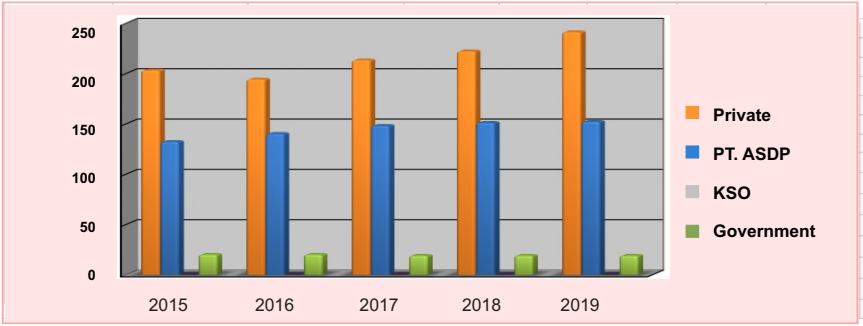
Activity	2015	2016	2017	2018	2019
Development of River and Lake Quays	Phase I River = 8 Lake Quays = 0	Phase I River = 0 Lake Quays = 1	Phase I River = 0 Lake Quays = 2	Phase I River = 1 Lake Quays = 1	Phase I River = 6 Lake Quays = 3
	Advance Phase River = 9 Lake Quays = 3	Advance Phase River = 2 Lake Quays = 1	Advance Phase River = 6 Lake Quays = 2	Advance Phase River = 0 Lake Quays = 6	Advance Phase River = 1 Lake Quays = 6
Reconstruction of River and Lake Quays	River = 17 Lake Quays = 7	River = 2 Lake Quays = 0	River = 3 Lake Quays = 4	River = 0 Lake Quays = 1	River = 0 Lake Quays = 0
Development of Ferry Transport	Phase I = 8 Advance Phase = 28	Phase I = 1 Advance Phase = 16	Phase I = 2 Advance Phase = 16	Phase I = 9 Advance Phase = 11	Phase I = 4 Advance Phase = 11
Reconstruction of Ferry Transport	37	4	4	4	7

Source : Directorate General of Land Transportation, 2019

B. INLAND WATER AND FERRY TRANSPORT

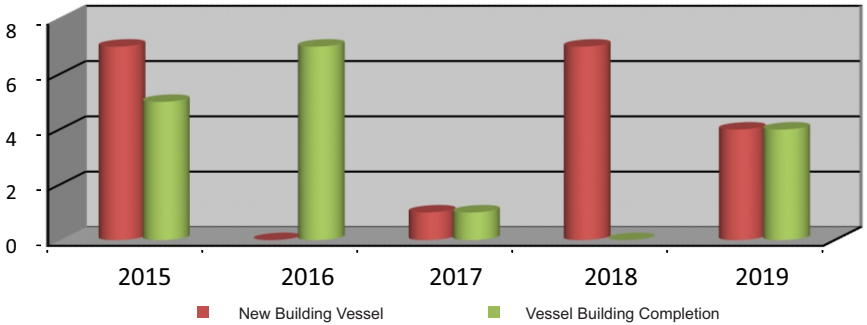
2. Inland Water and Ferry Transport Boat

a. Annual Number of Boats by Ownership, 2015 -2019



Ownership	2015	2016	2017	2018	2019
Private	203	194	213	222	241
PT. ASDP	132	140	148	151	152
KSO	0	0	0	0	0
Government	20	20	19	19	19
Total	**355**	**354**	**380**	**392**	**412**
Growth (%)	10,94	-0,28	7,34	3,16	5,10

Source : Directorate General of Land Transportation, 2019



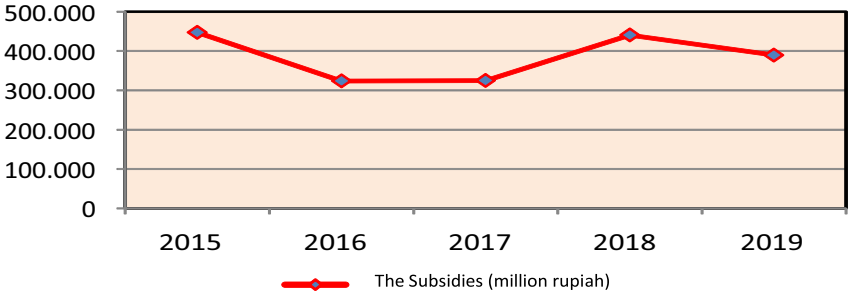
Years	2015	2016	2017	2018	2019	Total
New Building Vessel	7	0	1	7	4	**25**
Vessel Building Completion	5	7	1	0	4	**20**
Total of New Building Vessel and Vessel Building Completion	12	7	2	7	8	**45**
Growth (%)	33,33	-41,67	-71,43	250,00	14,29	

Source : Directorate General of Land Transportation, 2019

B. INLAND WATER AND FERRY TRANSPORT

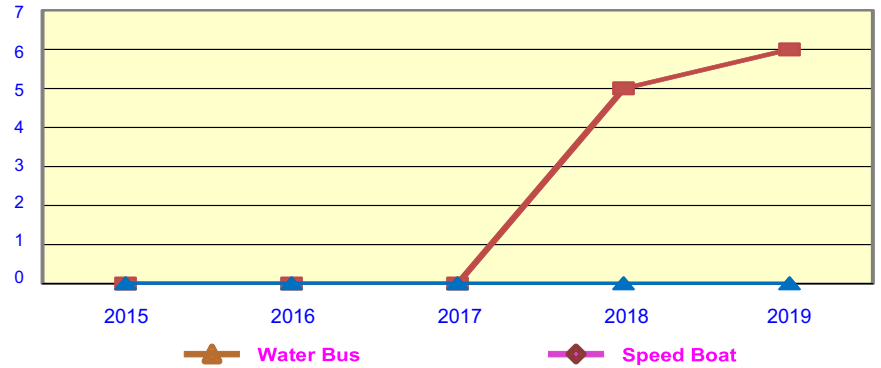
2. Inland Water and Ferry Transport Boat

c. Annuals Subsidies of Pioneering Ferry Transport, 2015 -2019



Years	2015	2016	2017	2018	2019
Number of Pioneer Ferry Transport	211	211	227	222	229
Total Frequensy Of Ferry Transport (Trip)	36.904	45.648	48.981	34.406	54.061
The Subsidies (million rupiah)	447.143	323.679	324.824	440.569	389.485
Growth (%)	82,75	-27,61	0,35	35,63	-11,60

Source : Directorate General of Land Transportation, 2019

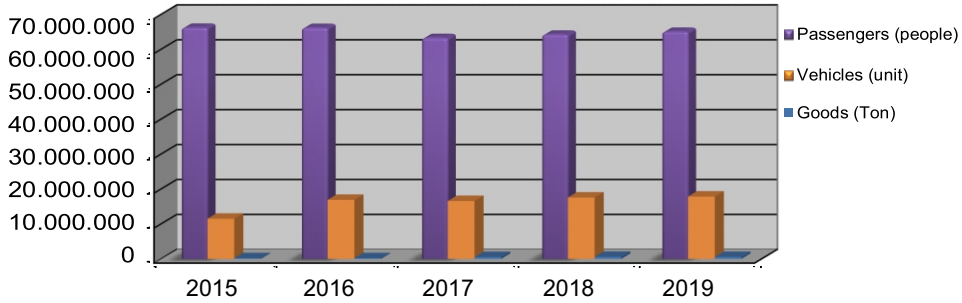


Years	2015	2016	2017	2018	2019	Total
Water Bus	0	0	0	5	6	11
Speed Boat	0	0	0	0	0	0

Source : Directorate General of Land Transportation, 2019

B. INLAND WATER AND FERRY TRANSPORT

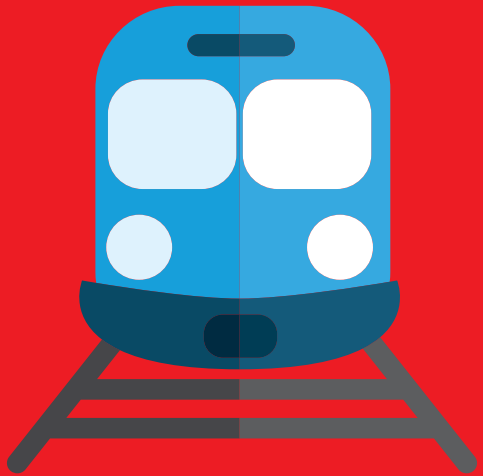
3. Annual Number of Transported Passengers Goods and Vehicles, 2015 -2019



Description	2015	2016	2017	2018	2019
Passengers (people)	66.253.949	66.191.885	63.321.391	64.282.381	65.103.002
Goods (Ton)	0,79	-0,09	-4,34	1,52	1,28
Growth (%)	195.597	195.605	528.446	584.090	557.425
Growth (%)	474,37	0,00	170,16	10,53	-4,57
Motorcycles (unit)	11.512.467	16.917.752	16.580.024	17.580.024	17.852.851
Growth (%)	-30,26	46,95	-2,00	6,03	1,55

Source : Directorate General of Land Transportation, 2019

RAILWAYS





LENGTH OF RAILWAY LINE IN JAVA, MADURA, SUMATERA AND SULAWESI 8.922,98 Km	ACTIVE/OPERATION 6.221,698Km	SUMATERA 1.796,61 Km	North Sumatera Region	:	658,98 Km
			West Sumatera Region	:	228,33 Km
			South Sumatera Region	:	909,29 Km
		JAVA 4.131,71 Km	Jakarta and Banten Region	:	759,25 Km
			West Java Region	:	956,23 Km
			Central Java Region	:	1.575,58 Km
			East Java Region	:	1.058,75 Km
		SULAWESI 49,28			
		PAPUA 26,00			
	NON AKTIF/NON OPERATION 2701,286 Km	SUMATERA 298,518 Km			
		JAVA AND MADURA 2402,768 Km			

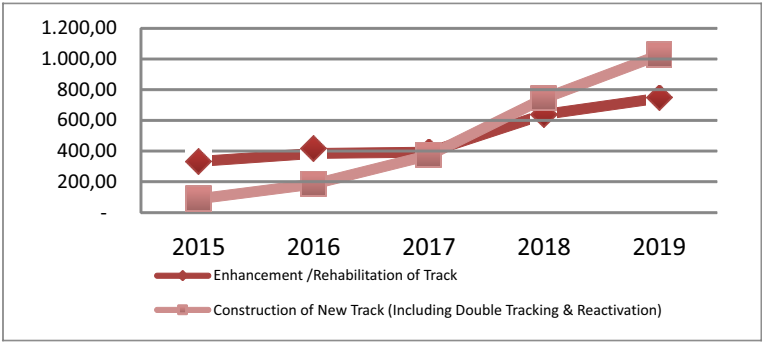
Note : There was a validation in the cross-operational data for 2015 to 2018 with the achievements of the construction railroad track

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

1. Railway Infrastructure

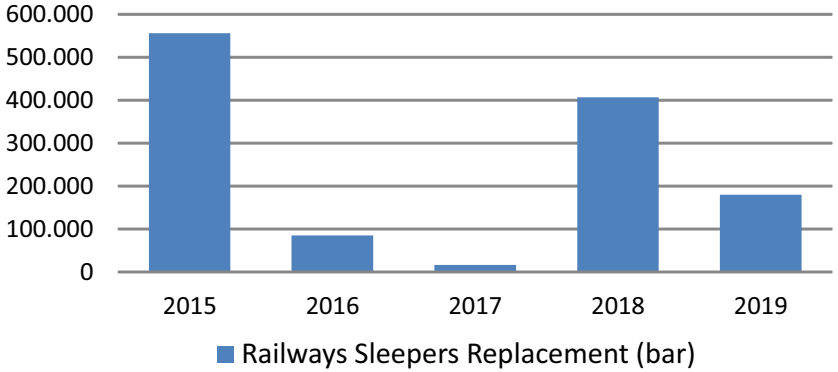
b. Cumulative Enhancement/Rehabilitation of Track, 2015 -2019



Tahun	Satuan	2015	2016	2017	2018	2019
Enhancement /Rehabilitation of Track	Km	333,60	384,60	394,28	638,27	745,97
Construction of New Track (Including Double Tracking & Reactivation)	Km	89,91	184,73	373,29	744,05	1.025,61
Total	Km	423,51	569,33	767,57	1.382,32	1.771,58

There is a separation of types of activities between the cumulative number of railroad improvement / rehabilitation with the cumulative number of new railway development including double track and yearly reactivation

Source : Directorate General of Railways, year 2019



Years	Satuan	2015	2016	2017	2018	2019	Total
Railways Sleepers Replacement (bar)	Stick	462.800	557.300	12.132	80.468	289.708	**1.402.408**

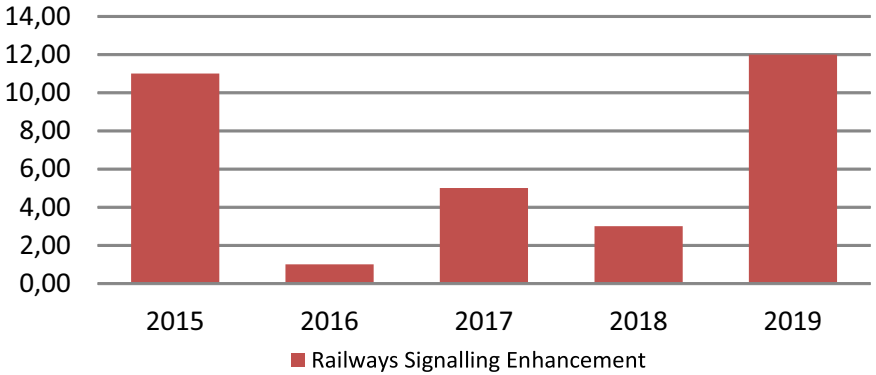
Note : Number of railway sleepers replacement based on enhancement / rehabilitation of track

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

1. Railway Infrastructure

d. Annual Number of Railways Signaling Increment, 2015 -2019



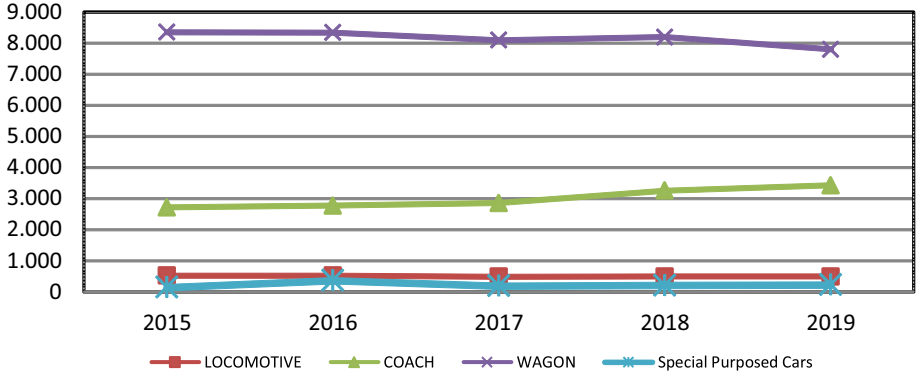
Years	Unit	2015	2016	2017	2018	2019	Total
Railways Signalling Enhancement	Packet	11,00	1,00	5,00	3,00	12,00	32

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

2. Rolling Stock

a. Annual Number of Approved Rolling Stocks, 2015 - 2019



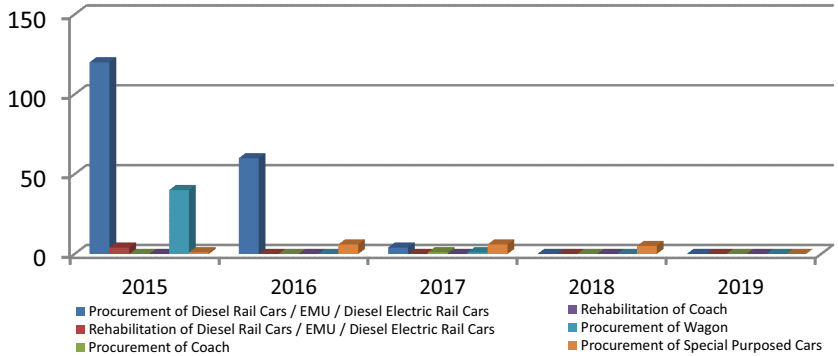
Years	Unit	2015	2016	2017	2018	2019	Total
LOCOMOTIVE	Unit	525	524	490	496	491	2.526
COACH	Unit	2.716	2.772	2.855	3.257	3.427	15.027
WAGON	Unit	8.357	8.347	8.098	8.200	7.805	40.807
Special Purposed Cars	Unit	140	357	182	205	221	1.105

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

2. Rolling Stock

b. Annual Procurement and Maintenance of Rolling Stocks, 2015 -2019



Years	Procurement of Diesel Rail Cars / EMU / Diesel Electric Rail Cars	Rehabilitation of Diesel Rail Cars / EMU / Diesel Electric Rail Cars	Procurement of Coach	Rehabilitation of Coach	Procurement of Wagon	Procurement of Special Purposed Cars
2015	120	4	0	0	40	1
2016	60	0	0	0	0	6
2017	4	0	1	0	1	6
2018	0	0	0	0	0	5
2019	0	0	0	0	0	0

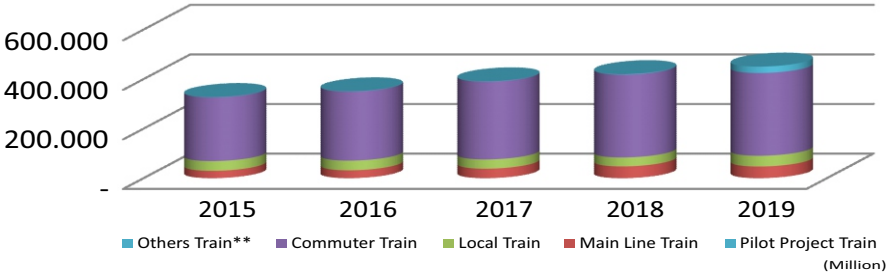
Note : Data based procurement and rehabilitation of rolling stock through the state budget. The rehabilitation activities are multiyears, starting from 2018 and will be completed in the end of 2020

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Services

a. Annual Number of Passenger by Type of Services, 2015 - 2019



(Million)

Type	2015	2016	2017	2018	2019
Main Line Train	29.654	31.850	38.312	47.552	47.158
Local Train	39.424	39.026	37.401	36.136	43.416
Commuter Train	257.532	279.097	314.318	334.487	334.103
Pilot Project Train*	540	1.856	1.517	2.569	3.025
Others Train**	692	731	816	1.587	25.784
Total	327.842	352.561	392.363	422.332	453.487

*Pilot Project Train is Cut Meutia Railways Pilot Project, Jenggala Railways Pilot Project, Bathara Kresna Railways Pilot Project, Kertalaya Railways Pilot Project, Lembah Anai Railways Pilot Project, Minangkabau Internasional Airport Railways, LRT South Sumatera

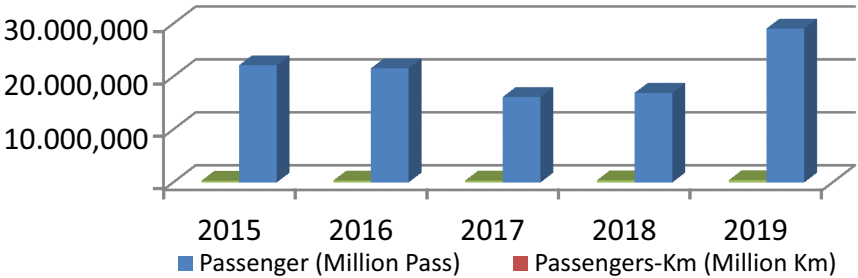
**Others Train is Kualanamu Airport Railways, Soekarno-Hatta Airport Railways, MRT Jakarta, LRT Jakarta

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

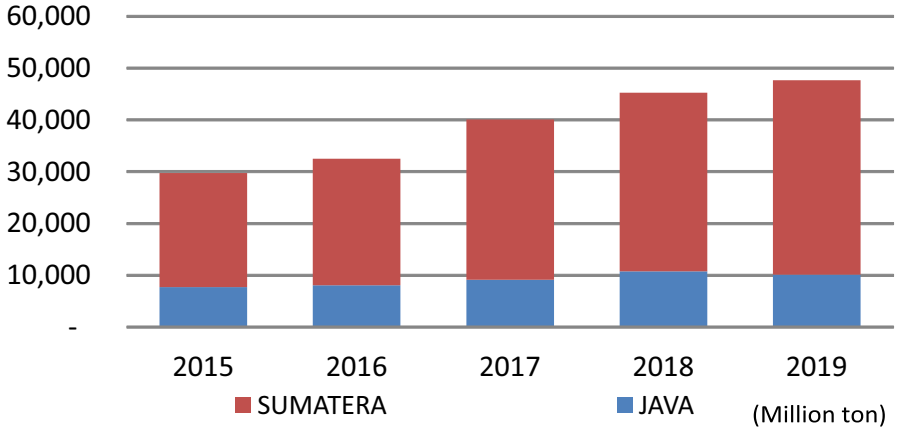
3. Productivity of Rail Transport Services

b. Annual Number of Passenger - Km Productivity, 2015 -2019



Years	Passenger (Million Pass)	Passengers-Km (Million Km)
2015	327,823	22.152
2016	358,075	21.571
2017	360,176	16.158
2018	422,332	16.932
2019	453,486	29.080
Growth (%)	8,61	12,20

Source : Directorate General of Railways, year 2019



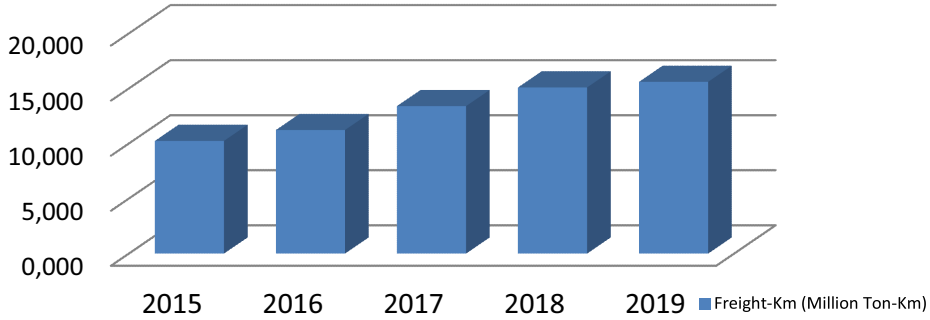
Years	2015	2016	2017	2018	2019
JAVA	7,690	8,039	9,134	10,727	10,155
SUMATERA	22,028	24,455	30,927	34,536	37,469
Total	29,717	32,494	40,061	45,263	47,624

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Services

d. Annual Number of Transported Freight-Km Productivity, 2015 -2019



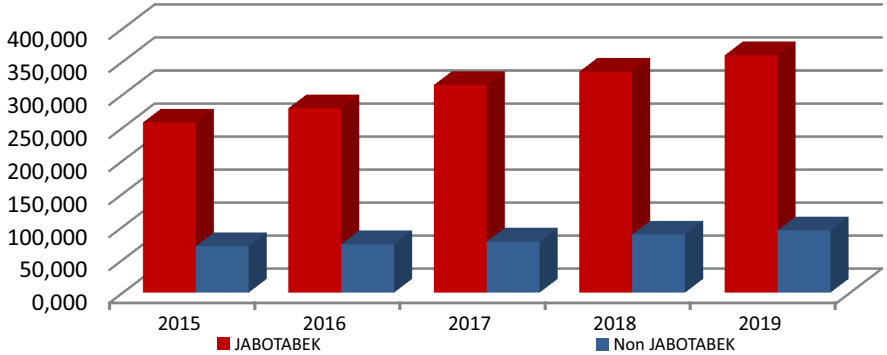
Years	Freight-Km (Million Ton-Km)	Growth (%)
2015	10,234	3,51%
2016	11,223	9,67%
2017	13,396	19,36%
2018	15,090	12,65%
2019	15,600	3,38%

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Services

e. Comparison of Passengers Volume from Jabodetabek Commuter Line Services and others In Java Island, 2015 - 2019



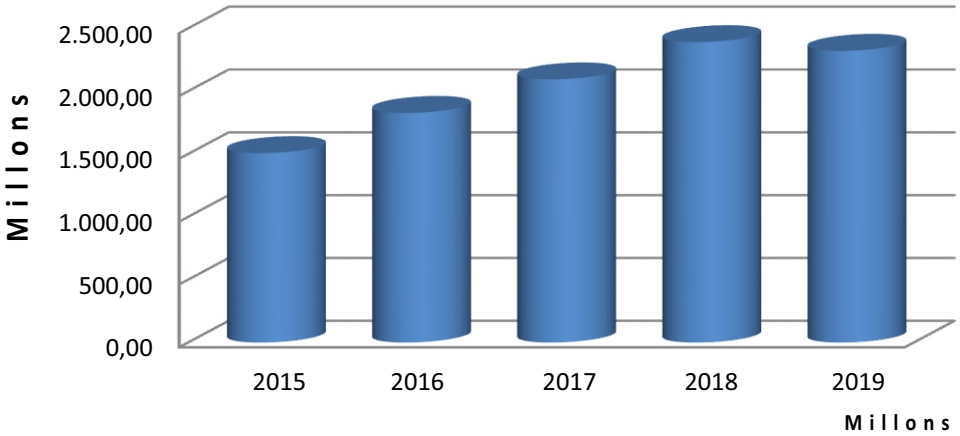
Type	Number of Passengers (Million)				
Years	**2015**	**2016**	**2017**	**2018**	**2019**
JABOTABEK	257,532	279,097	314,317	334,487	359,379
Non JABOTABEK	70,310	73,465	77,307	87,845	94,107
Total	327,842	352,562	391,624	422,332	453,486
Growth	18,06%	7,54%	11,08%	7,84%	7,38%
Percentage JABOTABEK with Total	78,55%	79,16%	80,26%	79,20%	79,25%

Note : Jabotabek include Commuter Train, Soekarno Hatta Airport Railways, MRT Jakarta, LRT Jakarta (Velodrome-Kelapa Gading)

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

4. Public Services Obligation (PSO) subsidy Realization, 2015 -2019



Years	2015	2016	2017	2018	2019
Costing	1.507,26	1.827,38	2.094,10	2.390,71	2.321,44
Growth (%)	23,14%	21,24%	14,60%	14,16%	-2,90%

Source : Directorate General of Railways, year 2019

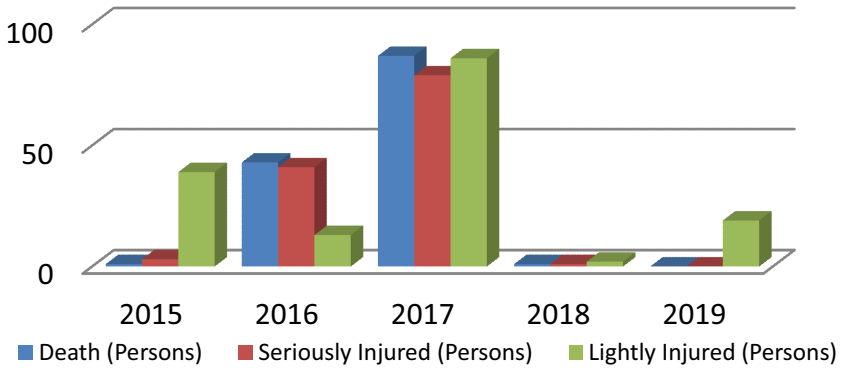
TYPE	YEARS				
PUNCTUALITY	2015	2016	2017	2018	2019
Punctual Pass. Dep. (%)	76	65	84	89	86
Delay Pass. Dep. (mnt)	7	12	3	2	2
Punctual Pass. Arr. (%)	41	41	66	76	72
Delay Pass. Arr. (mnt)	16	22	7	5	5
Punctualy Freight Dep. (%)	16	32	37	58	65
Delay Freight Dep. (mnt)	125	110	112	27	5
Functual Arr. Dep. (%)	12	27	27	35	44
Delay Arr. Dep. (mnt)	304	286	251	136	80
Average Circulation Time of Wagon	2,34	2	2	2	2

Source : Directorate General of Railways, year 2019

C. RAILWAYS TRANSPORTATION

6. Rail Accidents

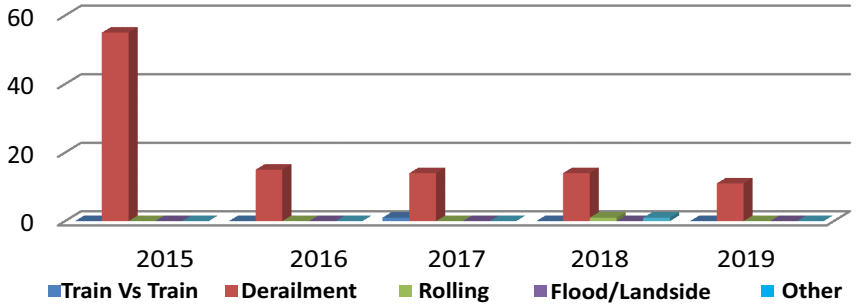
a. Annual Number of Rail Accidents Casualities, 2015 -2019



Years	2015	2016	2017	2018	2019
Death (Persons)	1	43	87	1	0
Seriously Injured (Persons)	3	41	79	1	0
Lightly Injured (Persons)	39	13	86	2	19
Number of Victim	43	97	252	4	19

Source : Directorate General of Railways, year 2019

b. Annual Number of Rail Accidents by Cause, 2015 - 2019



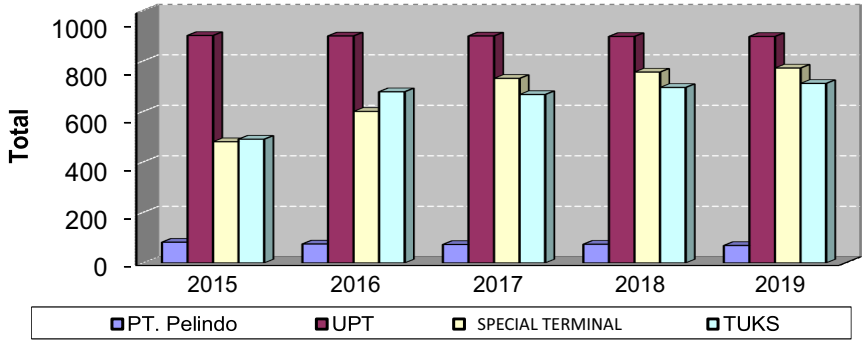
Years	2015	2016	2017	2018	2019
Train Vs Train	0	0	1	0	0
Derailment	55	15	14	14	11
Rolling	0	0	0	1	0
Flood/Landside	0	0	0	0	0
Other	0	0	0	1	0
Number of Accidents	55	15	15	16	11

Note : Adjustment of parameters for the calculation of accident data in 2015 where there are still accident data at level crossings including road traffic accidents

Source : Directorate General of Railways, year 2019

SEA TRANSPORT





Year	According to the operator		According to Management		Total
	PT. Pelindo	UPT	Special Terminal	TUKS	
2015	82	901	480	490	1953
2016	75	899	600	678	2252
2017	73	899	731	667	2370
2018	74	897	756	695	2422
2019	69	897	772	711	2449

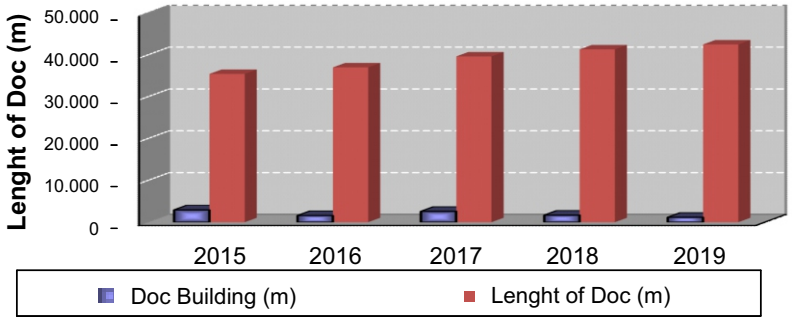
UPT Include Work Region
TUKS : Private Owner Sea Terminal
Note : Number of por tin the Table Not include Fisher Port

Source : Directorate General of Sea Transportation, 2019

D. MARINE TRANSPORTATION

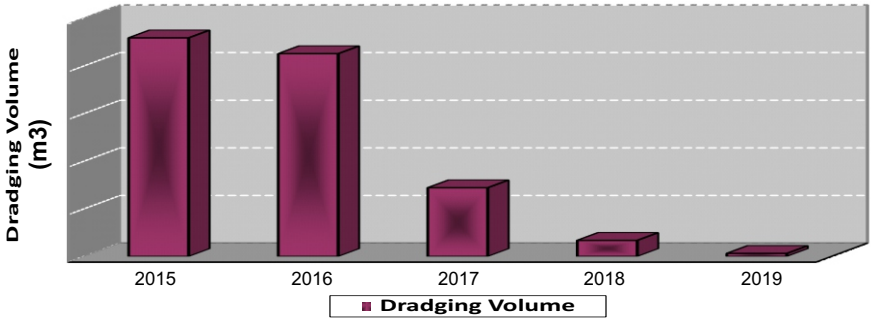
1. Marine Port and Infrastructure

b. Cummulative Growth of Marine Ports, 2015 - 2019



Year	Doc Building (m)	Length of Dec (m)	Growth (%)
2015	2.939	35.445	9,04
2016	1.590	37.005	13,84
2017	2.594	39.629	21,91
2018	1.684	41.313	27,09
2019	1.172	42.485	19,86

Source : Directorate General of Sea Transportation, 2019



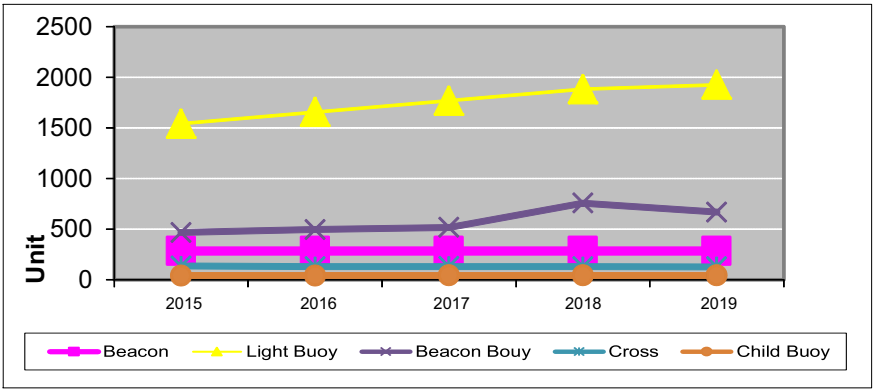
Years	Dradging Volume (m3)	Growth (%)
2015	9.175.377	-
2016	8.511.308	-7,24
2017	2.882.449	-66,13
2018	673.077	-76,65
2019	124.997	-81,43
Total	50.750.117	

Source : Directorate General of Sea Transportation, 2019

D. MARINE TRANSPORTATION

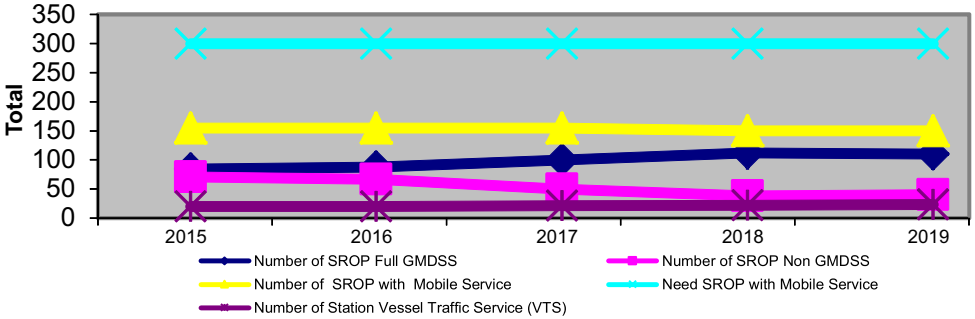
1. Marine Port and Infrastructure

d. Cummulative Growth of Aids to Navigation (Aton) Construction, 2015 - 2019



Year	Beacon	Light Buoy	Beacon Buoy	Cross	Child Buoy	Total	Growth (%)
2015	282	1.540	466	135	40	2463	-
2016	284	1.655	495	129	40	2603	5,68
2017	284	1.767	517	130	43	2741	5,30
2018	284	1.882	756	128	42	3092	12,81
2019	284	1.926	668	126	43	3047	-1,46

Source : Directorate General of Sea Transportation, 2019



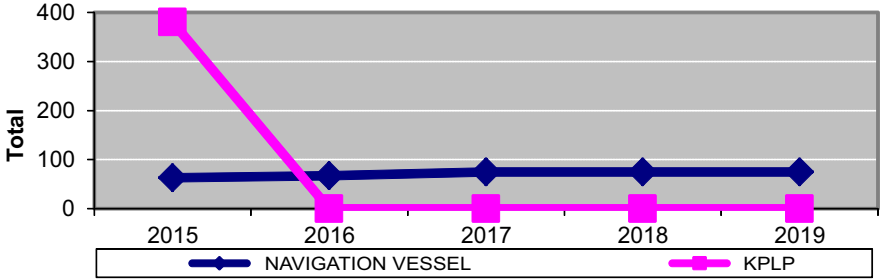
Year	Number of SROP Full GMDSS and Non GMDSS	Number of SROP Full GMDSS	Number of SROP Non GMDSS	Number of SROP with Mobile Service	Need of SROP with GMDSS	Need SROP with Mobile Service	Number of Station Vessel Traffic Service (VTS)
2015	155	84	71	155	105	300	20
2016	155	88	67	155	105	300	20
2017	150	100	50	155	105	300	21
2018	150	112	38	150	150	300	22
2019	150	110	40	150	150	300	23

Source : Directorate General of Sea Transportation, 2019

D. MARINE TRANSPORTATION

1. Marine Port and Infrastructure

a. Annual Number of State - Owned Vessels, 2015 - 2019

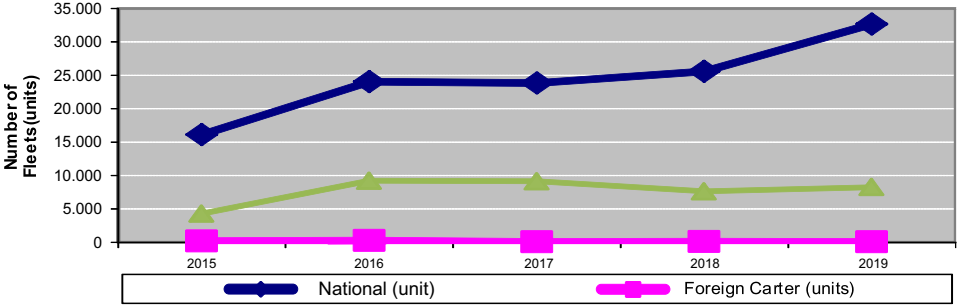


YEARS	NAVIGATION VESSEL	KPLP	Total	GROWTH (%)
2015	63	380	443	-
2016	67	-	67	-84,88
2017	75	-	75	11,94
2018	75	-	75	0,00
2019	75	-	75	0,00

Source : Directorate General of Sea Transportation, 2019

2. Marine Vessel

b. Cummulative Growth of Domestic and International Ocean Liners, 2015 - 2019



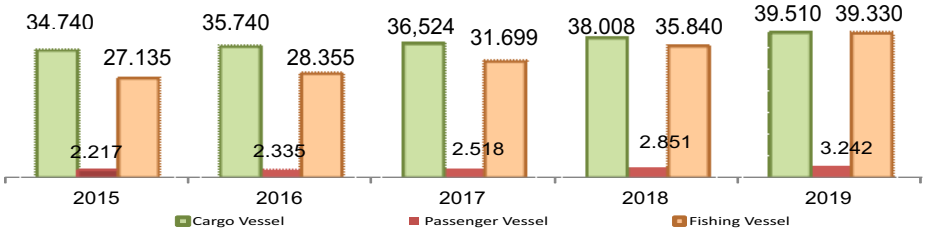
Year	Fleets			Number of Fleets (unit)	Growth (%)	
	National (unit)	Foreign Carter (Unit)	Foreign Agency (Unit)		National Fleets	Fleet of Foreign
2015	16.115	182	4.282	20.579	-	-
2016	24.046	233	9.191	33.470	49,22	28,02
2017	23.823	63	9.122	33.008	-0,93	-72,96
2018	25.559	92	7.612	33.263	7,29	46,03
2019	32.634	51	8.237	40.922	27,68	-44,57

Source : Directorate General of Sea Transportation, 2019

D. MARINE TRANSPORTATION

2. Marine Vessel

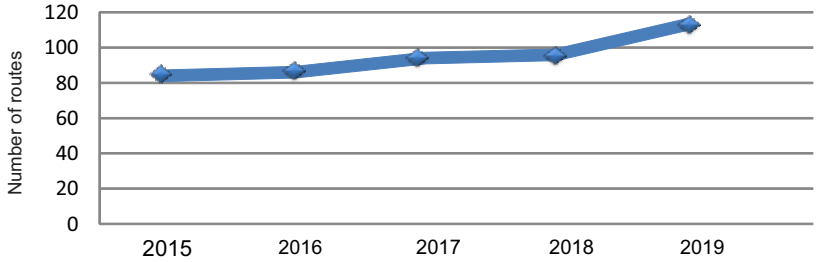
c. Cummulative Number of Ships With ndonesia Flag, 2015 - 2019



NO.	Describe	Number	YEAR				
			2015	2016	2017	2018	2019
1.	Cargo Vessel	Unit	34.740	35.740	36.524	38.008	39.510
		Total GT	32.996.324	34.780.306	37.239.979	39.714.897	42.418.376
2	Passenger Vessel	Unit	2.217	2.335	2.518	2.851	3.242
		Total GT.	1.529.496	1.606.537	1.766.303	1.917.706	2.025.945
3	Fishing Vessel	Unit	27.135	28.355	31.699	35.840	39.330
		Total GT.	2.062.252	2.110.373	2.195.874	2.288.440	2.371.159
TOTAL		Unit	64.092	66.430	70.741	76.699	82.082
		Total GT.	36.588.072	38.497.216	41.202.156	43.921.043	46.815.480

In 2018 there was a re-delegation of the Authority to Arrange Vessels under 7 GT to DG of Marine Transportation

Source : Directorate General of Sea Transportation, 2019



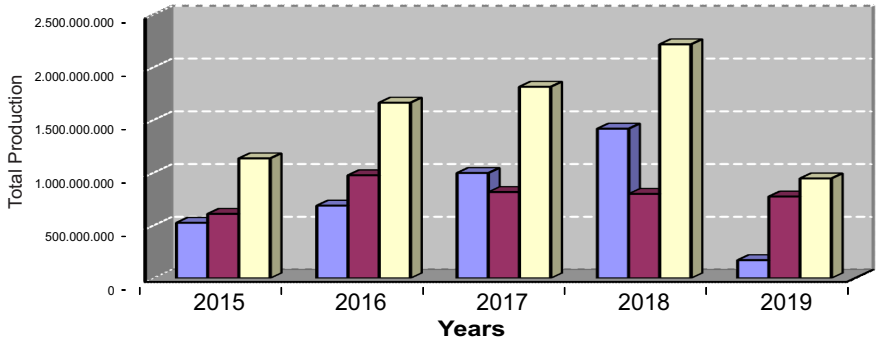
Year	Pioneering Ocean Liner	Growth (%)
2015	86	-
2016	94	9,30
2017	96	2,13
2018	113	17,71
2019	113	0,00

Source : Directorate General of Sea Transportation, 2019

D. MARINE TRANSPORTATION

3. Marine Transport Productivity

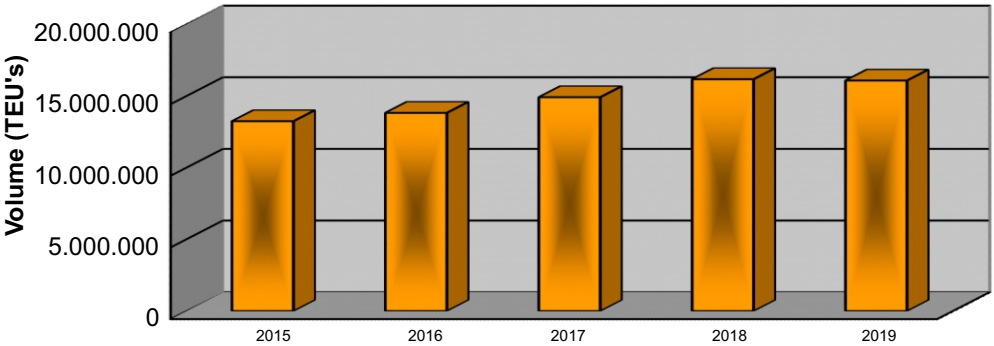
b. Cummulative Growth of Domestic and International Ocean Liners, 2015 - 2019



Year	National	Foreign	Total Domestic	Nasional	Foreign	Luar Negeri	Domestic & Foreign (Ton)	Growth (%)
2015	450.239.087	75.597.148	525.836.235	45.028	610.402.377	610.447.405	1.136.283.640	-
2016	621.011.908	67.237.840	688.249.748	-	976.201.743	976.201.743	1.664.451.491	46,48
2017	965.129.753	32.827.422	997.957.175	-	817.366.911	817.366.911	1.815.324.086	9,06
2018	1.386.609.508	31.386.549	1.417.996.057	-	799.800.741	799.800.741	2.217.796.798	22,17
2019	142.869.776	28.690.231	171.560.007	-	774.497.749	774.497.749	946.057.756	-57,34

Source : Directorate General of Sea Transportation, 2019

c. Annnual Number of Container Loading and Unloading Volume, 2015 - 2019

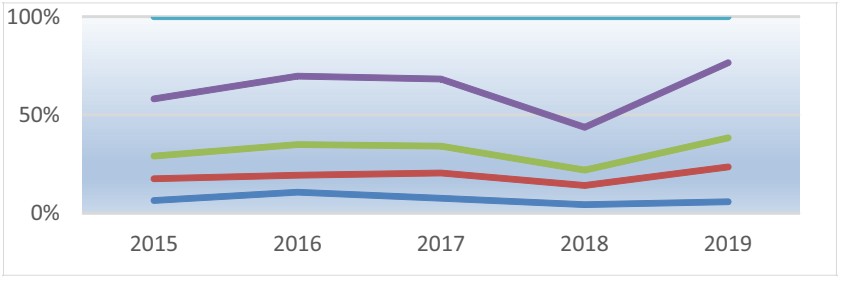


Years	Volume (TEU's)	Growth (%)
2015	13.249.312	-
2016	13.832.422	4,40
2017	14.924.755	7,90
2018	16.183.955	8,44
2019	16.088.884	-0,59

Source : Directorate General of Sea Transportation, 2019

D. MARINE TRANSPORTATION

4. Annual Number of Marine Accidents, 2015 - 2019

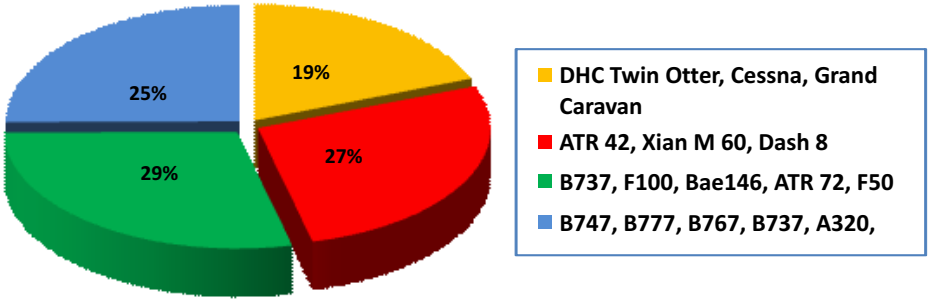


Year	Human	Nature	Technic	Number of Accident	Number of death	Decrease of Victims Level (%)
2015	27	47	49	123	177	28,26
2016	31	25	45	101	88	-50,28
2017	28	48	51	127	118	34,09
2018	24	54	43	121	311	163,56
2019	14	43	36	93	57	-81,67

Source : Directorate General of Sea Transportation, 2019

CIVIL AVIATION





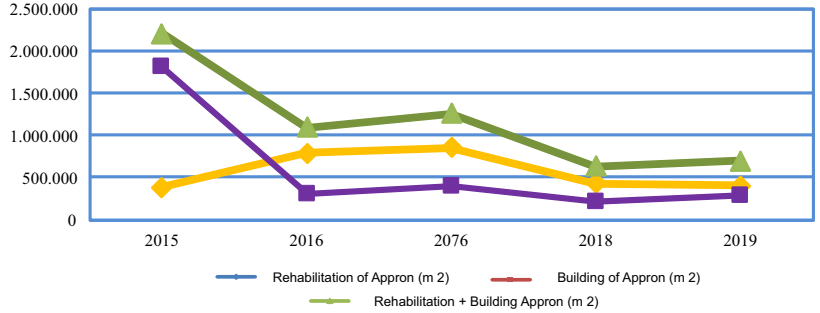
Airport Classification	Type of Aircraft	Number of Airport
1A/1B	C212, DHC Twin Otter	48
2B/2C/2D	ATR 42, Xian M 60, Dash 8	68
3C/3B	B737, F100, Bae146, ATR 72, F50	72
4C/4D/4E/4F	B747, B777, B767, B737, A320	63
TOTAL		251

Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

1. Airport

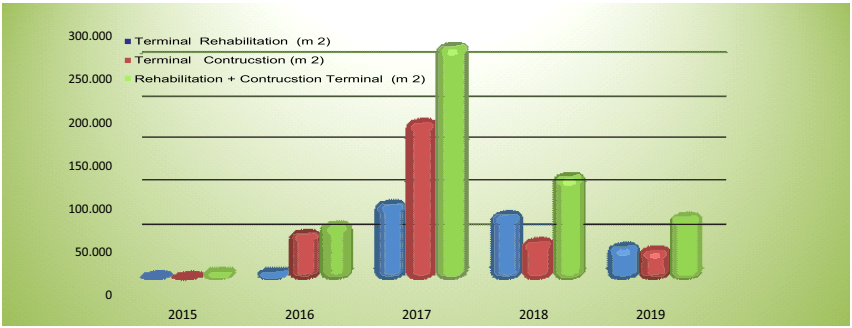
b. Annual Number of Runway Construction, 2015 - 2019



Year	Rehabilitation of Appron (m 2)	Buildingf of Appron (m 2)	Rehabilitation + Building Appron (m 2)	Growth
2015	386.292	1.819.083	2.205.375	36,02
2016	782.618	311.050	1.093.668	-50,41
2076	852.295	403.173	1.255.468	14,79
2018	426.633	206.940	633.573	-49,53
2019	402.387	291.286	693.673	9,49
TOTAL	2.850.225	3.031.532	5.881.757	-

Source : Directorate General of Civil Aviation, 2019

c. Annual Number of Terminal Facilities Construction, 2015 - 2019



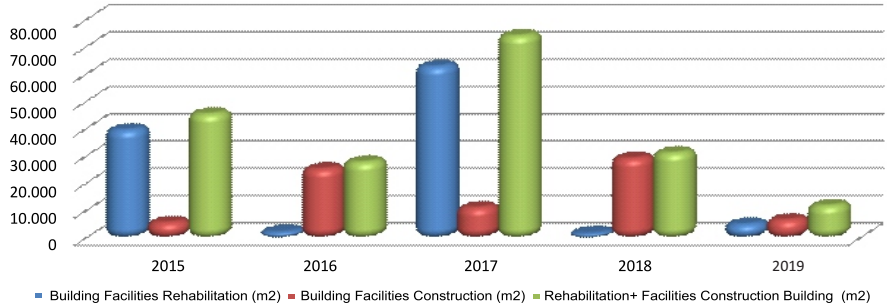
Year	Terminal Rehabilitation (m 2)	Terminal Contrucstion (m 2)	Rehabilitation + Contrucstion Terminal (m ²)	% Growth
2015	5.390	4.511	9.901	-
2016	9.664	53.990	63.654	542,90
2017	87.936	183.551	271.487	326,50
2018	75.333	44.423	119.756	-55,89
2019	38.883	34.884	73.767	-38,40
T O T A L	**217.206**	**321.359**	**538.565**	-

Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

1. Airport

d. Annual Number of Airport Building Construction, 2015 - 2019



Year	Building Facilities	Building Facilities	Rehabilitation+ Facilities Construction Building (m2)	%Growth
2015	39.801	5.839	45.640	-
2016	2.500	25.498	27.998	-38,65
2017	63.057	11.264	74.321	165,45
2018	2.039	29.349	31.388	-57,77
2019	5.225	6.794	12.019	-61,71
T O T A L	112.622	78.744	191.366	-

Source : Directorate General of Civil Aviation, 2019



1. HF
   - Ground to Ground / Point To Point (Intra of Airport) 82 units
   - Air - Ground
     - R DARA (Regional Domestic Air Route Area) there are 15 units in 15 locations
     - MWARA (Major World Air Route Area), there are 3 units

2. VHF — Air - Ground
   - AFIS (Aerodrome Flight Service), there are 67 unts in 37 locations
   - TWR (Aerodrome Control Tower), there are 172 units in 54 locations
   - APP (Approach Control), there are 124 units in 40 locations
   - ACC (Area Control Centre), 73 units in 42 locations Services - JATSS and MATSC

3. AFTN (Aeronautical Fixed Telecomunication Network) for point to point relation (data)
   a. AFTN Message Switching System (AMSS / AMSC) in 41 Units
      Teleprinter 31 units
   b. AFTN Point to Point 31 Locations

Source : Directorate General of Civil Aviation, 2019

AIDS AIR NAVIGATION

1. NDB (Non Directional Beacon), installed in 168 Units 168 Locations
2. DVOR (Doppler VHF Omnidirectional Range) installed in 87 Unit and 80 Locations
3. DME (Distance Measuring Equipment) installed in 95 Unit 87 Locations
4. ILS (Instrument Landing System),installed in 45 Unit 40 Locations

OBSERVATION

1. PSR (Primary Surveilance Radar), installed in 3 unit
2. SSR (Secondary Surveilance Radar), installed in 1 unit
3. MSSR Mode-S installed in 29 unit

Source : Directorate General of Civil Aviation, 2019

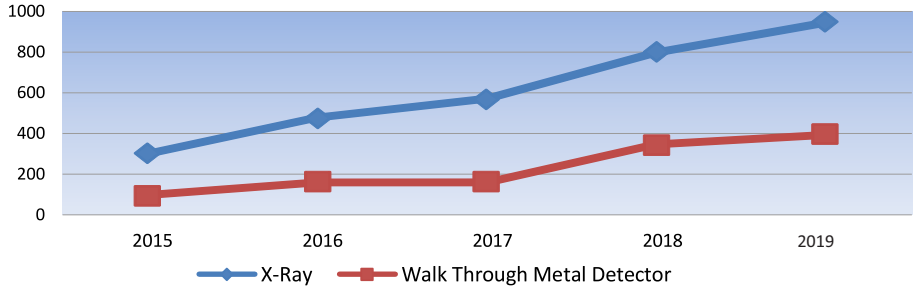
CNS/ ATM	Existing	future
Comunication	HF, VHF, AFTN	HF/VHF (Data & Voice), SATCOM
Navigation	NDB, DVOR/DME, ILS, ALS	GNS S
Observation	PSR, SSR, MSSR MODE 5	1. ADS (AUTOMATIC DEPENDENT SURVELIANCE) 2. WAM, used inflight 3. ASMGCS include of a. MLAT (Multilateration), local b. SMR (PSR X BAND)
Air Traffic Management	-	Air Trafific Management

Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

3. Security Infrastructure

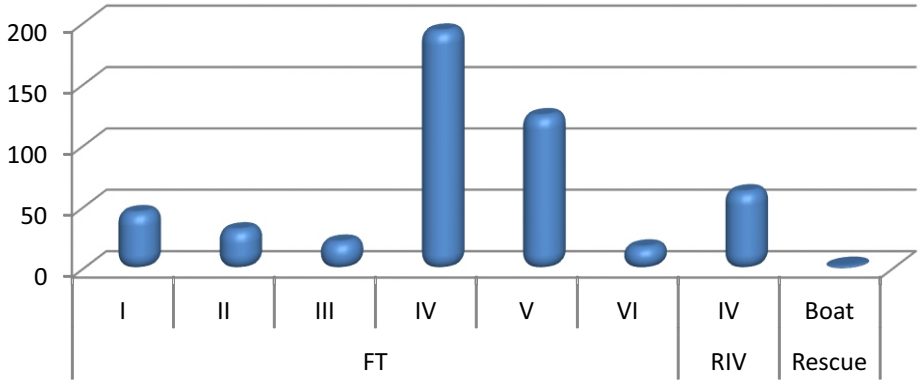
a. Annual Number of Airport Security Equipments, 2015 - 2019



Year	2015	2016	2017	2018	2019
X-Ray	638	715	755	855	921
% Pertumbuhan	-	12,07	5,59	13,25	7,72
Walk Through Metal Detector	455	485	484	564	587
% Growth	-	6,59	-0,21	16,53	4,08

Source : Directorate General of Civil Aviation, 2019

b. Number of Available Vehicle For Aircraft Rescue and Firefighting in Indonesian, 2019



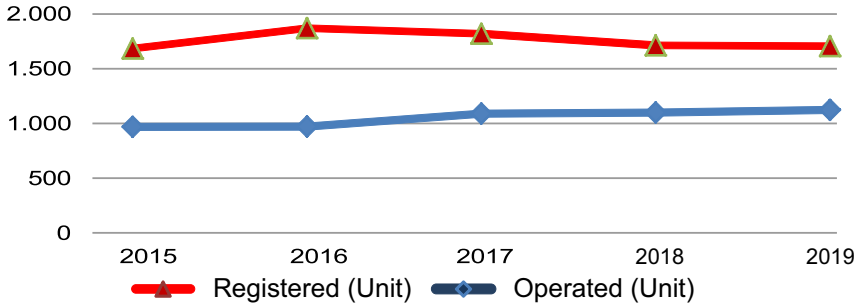
Description	Type of Vehicles							
	FT						RIV	Rescue Boat
	I	II	III	IV	V	VI	IV	
Availability	46	32	22	194	125	18	63	3

Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

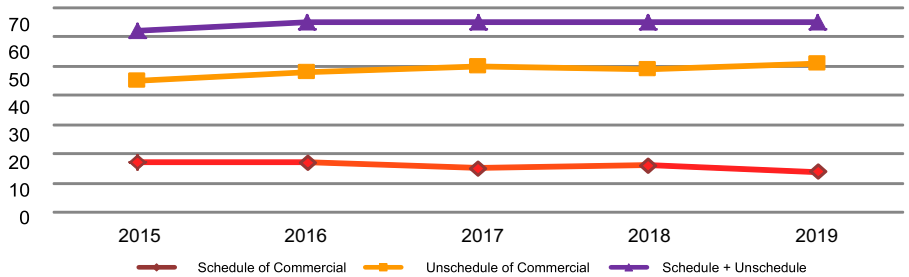
4. Aircraft

a. Annual Number of Registered and Operated Aircraft, 2015 - 2019



Year	Registered (Unit)	Oprerated (Unit)	Operated Growth	Operated VS Registered (%)
2015	1.544	1.162	-	-
2016	1.644 *	1.163	0,09	70,74
2017	1.616 *	1.227	5,50	75,93
2018	1.560	1.232	0,41	78,97
2019	1.556	1.245	1,06	80,01

Source : Directorate General of Civil Aviation, 2019



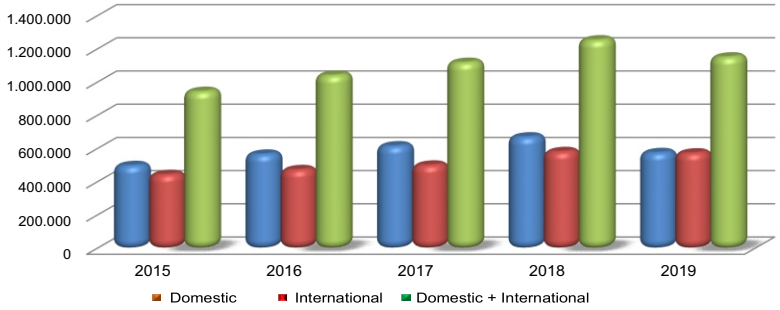
Year	Schedule of Commercial	% Growth	Unschedule of Commercial	%Growth	Schedule + Unschedule	% Growth
2015	17	-	45	-	62	-
2016	17	0,00	48	6,67	65	4,84
2017	15	-11,76	50	4,17	65	4,84
2018	16	6,67	49	-2,00	65	0,00
2019	14	-12,50	51	4,08	65	0,00

Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

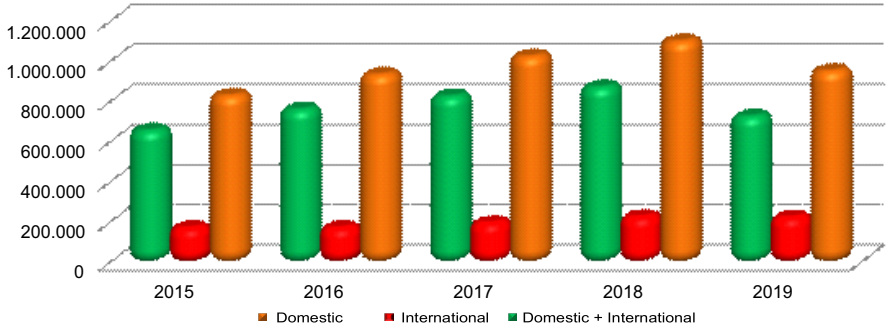
5. National Scheduled Commercial Aviation Productivity

a. Annual Number of Flight-Km Productivity, 2015 - 2019



Year	Aircraft Productivity - KM			% Growth		
	Domestic	International	Domestic + International	Domestic	International	Domestic + International
2015	500.323	446.422	946.745	-	-	-
2016	568.623	475.594	1.044.217	13,65	6,53	10,30
2017	618.773	502.773	1.121.546	8,82	5,71	7,41
2018	672.617	584.289	1.256.906	8,70	16,21	12,07
2019	578.201	575.933	1.154.134	-14,04	-1,43	-8,18

Source : Directorate General of Civil Aviation, 2019



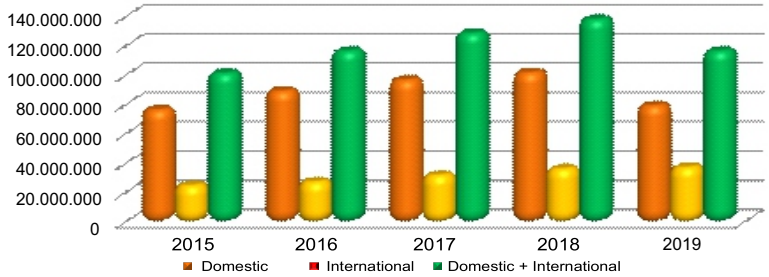
Year	Departure Productivity			% Growth		
	Domestic	International	Domestic + International	Domestic	International	Domestic + International
2015	659.091	174.519	833.610	-	-	-
2016	763.980	174.596	938.576	15,91	0,04	12,59
2017	829.615	199.530	1.029.145	8,59	14,28	9,65
2018	875.017	229.300	1.104.317	5,47	14,92	7,30
2019	729.446	226.769	956.215	-16,64	-1,10	-13,41

Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

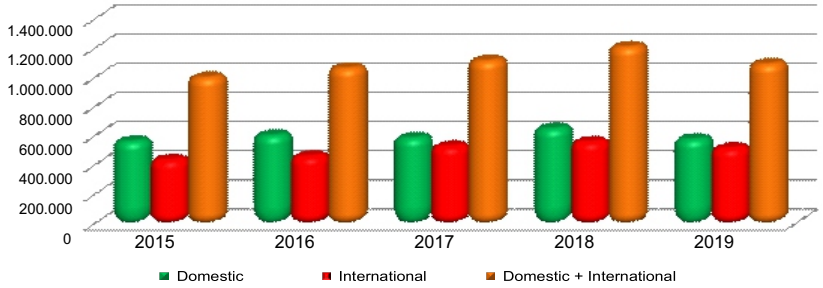
5. National Scheduled Commercial Aviation Productivity

c. Annual Number of Airport Transported Passenger Productivity, 2015 - 2019



Year	Passenger Productivity			% Growth		
	Domestic	International	Domestic + International	Domestic	International	Domestic + International
2015	76.628.867	24.897.085	101.525.952	-	-	-
2016	89.358.365	27.396.267	116.754.632	16,61	10,04	15,00
2017	96.890.644	31.953.301	128.843.945	8,43	16,63	10,35
2018	101.961.268	36.326.544	138.287.812	5,23	13,69	7,33
2019	79.466.559	37.278.343	116.744.902	-22,06	2,62	-15,58

Source : Directorate General of Civil Aviation, 2019



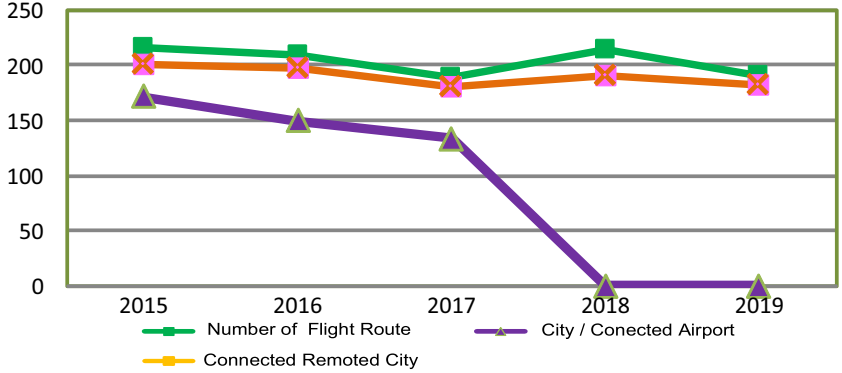
Year	Cargo Productivity			% Growth		
	Domestic	International	Domestic + International	Domestic	International	Domestic + International
2015	564.048	436.844	1.000.892	-	-	-
2016	604.343	460.346	1.064.689	7,14	5,38	6,37
2017	587.017	528.618	1.115.635	-2,87	14,83	4,79
2018	651.184	559.399	1.210.583	10,93	5,82	8,51
2019	577.806	516.033	1.093.839	-11,27	-7,75	-9,64

Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

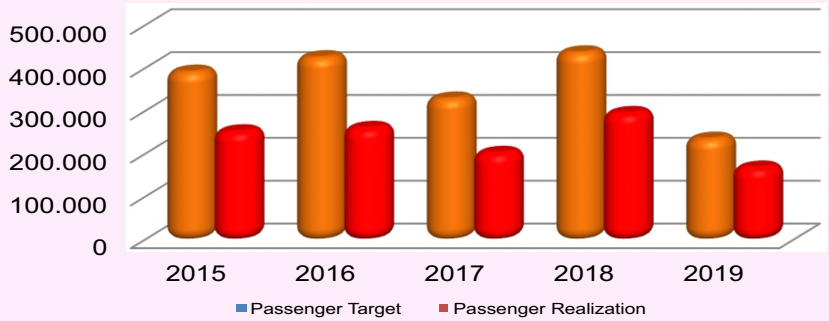
6. Pioneering Aviations Services

a. Annual Number of Flight Routes and Connected Cities, 2015 - 2019



Year	2015	2016	2017	2018	2019
Number of Flight Route	216	209	188	214	190
Connected Remoted City	171	149	133	N/A	N/A
City / Conected Airport	200	197	181	191	182

Source : Directorate General of Civil Aviation, 2019

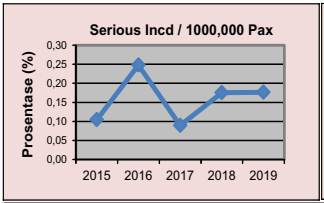


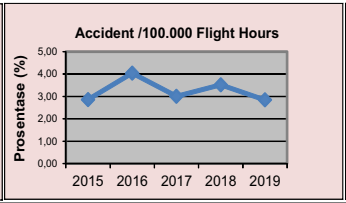
Year	Passenger Target	Passenger Realization	Passenger Target Reach (%)
2015	393.421	254.288	64,64
2016	427.184	262.109	61,36
2017	330.799	203.954	61,65
2018	438.450	296.895	67,71
2019	237.104	169.616	71,54

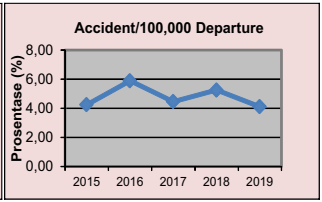
Source : Directorate General of Civil Aviation, 2019

E. CIVIL AVIATION TRANSPORTATION

7. Aviation Accident, 2019





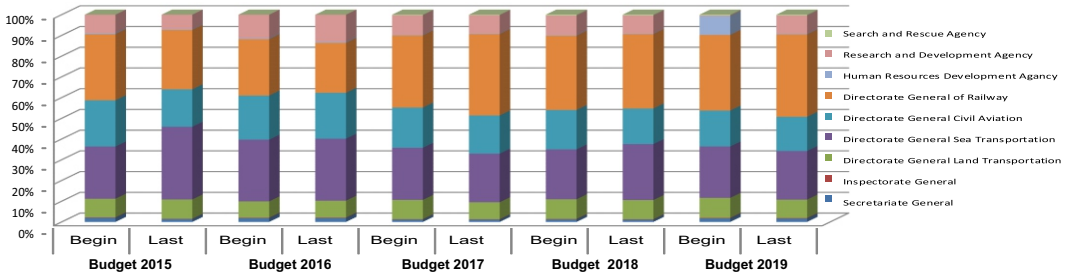


Tahun	Performance Report					
	Aircraft Departure	Passenger Carried	Aircraft Hour	Accident *	Serious Incident	Total (5 + 6)
1	2	3	4	5	6	7
2015	659.091	76.628.867	981.278	28	19	47
2016	763.980	89.385.365	1.114.792	45	8	53
2017	829.615	96.890.664	1.231.134	37	17	54
2018	875.017	101.961.268	1.309.224	46	18	64
2019	729.446	79.466.559	1.055.774	30	8	38

Source : Directorate General of Civil Aviation, 2019

SECRETARIAT GENERAL



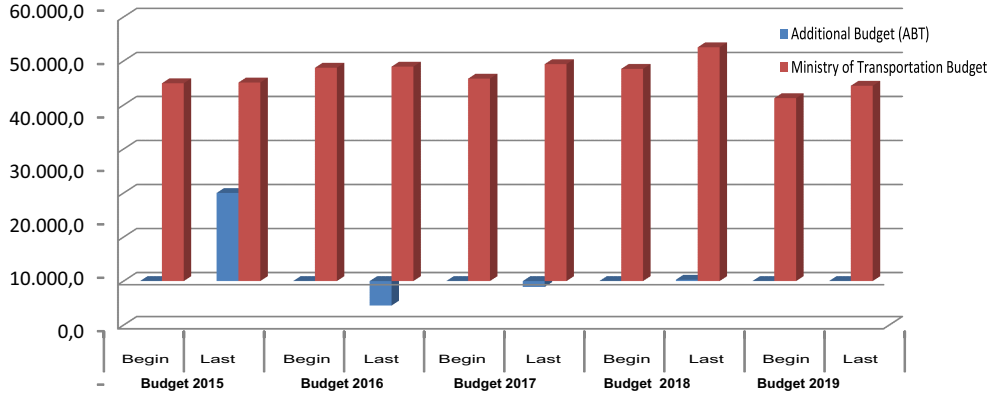


Year	Budget 2015		Budget 2016		Budget 2017		Budget 2018		Budget 2019	
	Begin	Last	Begin	Last	Begin	Last	Begin	Last	Begin	Last
Secretariate General	887,2	884,1	884,3	804,8	526,8	536,0	580,1	580,1	701,2	720,3
Inspectorate General	100,3	100,3	100,3	100,2	90,3	90,3	106,1	106,1	107,7	110,2
Directorate General Land Transportation	4.036,6	6.077,1	3.811,6	3.518,4	4.272,0	3.925,1	4.582,0	4.955,7	4.013,0	3.938,1
Directorate General Sea Transportation	11.321,6	22.843,0	14.437,7	12.905,8	11.562,3	11.245,0	11.600,9	14.417,6	10.311,2	10.405,9
Directorate General Civil Aviation	10.027,3	11.762,6	10.307,8	9.555,5	8.916,6	8.824,2	9.162,0	9.177,7	7.194,9	7.330,3
Directorate General of Railway	14.359,0	18.698,0	13.209,1	10.407,3	16.023,0	18.845,7	17.296,3	19.188,5	15.167,6	17.653,0
Human Resources Development Agancy	228,3	228,3	217,3	206,3	124,2	116,2	143,8	143,8	3.758,4	144,3
Research and Development Agency	3.973,7	4.532,9	5.497,5	5.653,0	4.347,9	4.238,5	4.527,5	4.647,1	138,3	3.895,2
Search and Rescue Agency	-	-	-	-	120,4	120,4	204,7	204,7	162,7	169,0
TOTAL	**44.933,9**	**65.126,2**	**48.465,6**	**43.151,3**	**45.983,5**	**47.941,4**	**48.203,1**	**53.421,4**	**41.554,9**	**44.365,9**

Source : Finance and Logistic berau, 2019

F. TRANSPORTATION SECTOR BUDGETING

2. Annual Number of Ministry of Transportation National Budget, 2015 - 2019

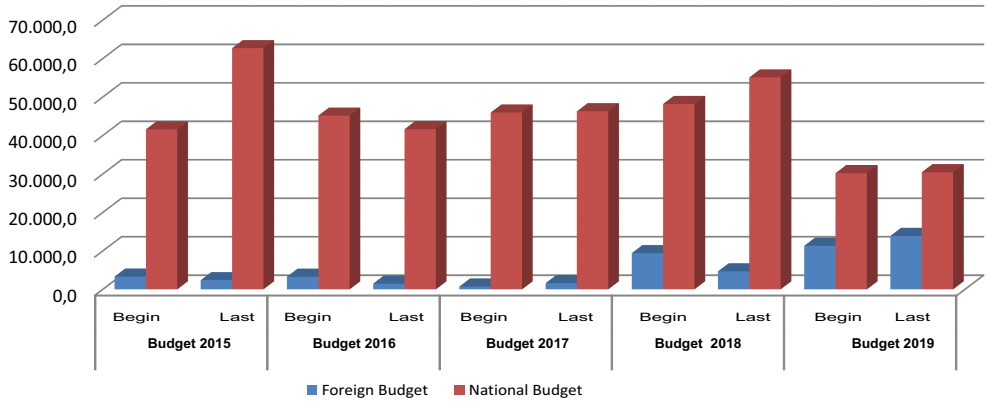


Year	Budget 2015		Budget 2016		Budget 2017		Budget 2018		Budget 2019	
	Begin	Last	Begin	Last	Begin	Last	Begin	Last	Begin	Last
Foreign Budget	0,0	20.020,0	0,0	(5.563,2)	0,0	(1.341,8)	0,0	309,8	0,0	0,0
Def National Budget	44.933,9	45.106,2	48.465,6	48.714,4	45.983,6	49.283,2	48.203,1	53.111,7	41.554,9	44.365,8
Total	44.933,9	65.126,2	48.465,6	43.151,2	45.983,6	47.941,4	48.203,1	53.421,5	41.554,9	44.365,8

Source : Finance and Logistic berau, 2019

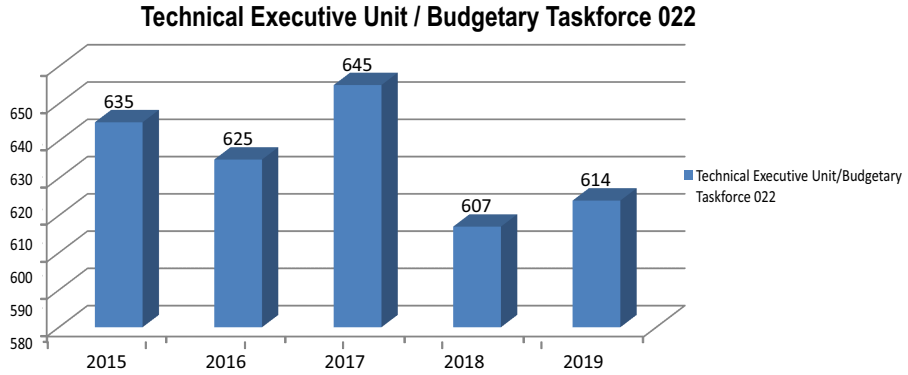
F. TRANSPORTATION SECTOR BUDGETING

3. Annual Number of Emplyee Composition Based On Gender, 2015 - 2019



Year	Budget 2015		Budget 2016		Budget 2017		Budget 2018		Budget 2019	
	Begin	Last	Begin	Last	Begin	Last	Begin	Last	Begin	Last
Foreign Budget	3.332,7	2.410,9	3.300,6	1.494,4	741,8	1.632,1	9.425,4	4.694,5	11.329,34	13.911,15
Def National Budget	41.601,2	62.715,3	45.165,1	41.656,8	45.983,6	46.309,3	48.203,1	55.111,7	30.225,58	30.454,73
Total	44.933,9	65.126,2	48.465,6	43.151,2	46.725,4	47.941,4	57.628,5	59.806,2	41.554,9	44.365,87

Source : Finance and Logistic berau, 2019

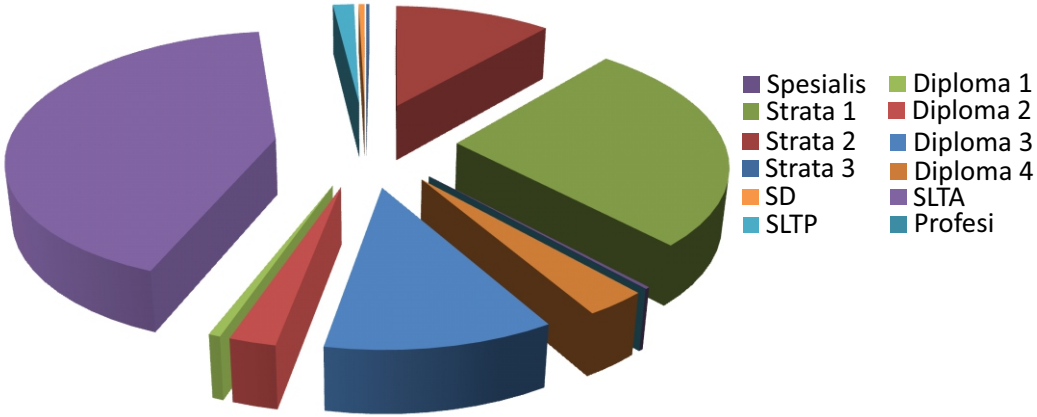


No	Year	2015	2016	2017	2018	2019
1	Vakue of State Property	214.047.813	220.870.601	343.255.989	522.397.549	525.414.449
2	Technical Executive Unit/Budgetary Taskforce 022	635	625	645	607	614

Source : Finance and Logistic berau, 2019

G. EMPLOYEE COMPOSITION

1. Annual Number of Employee Based on Education, 2019



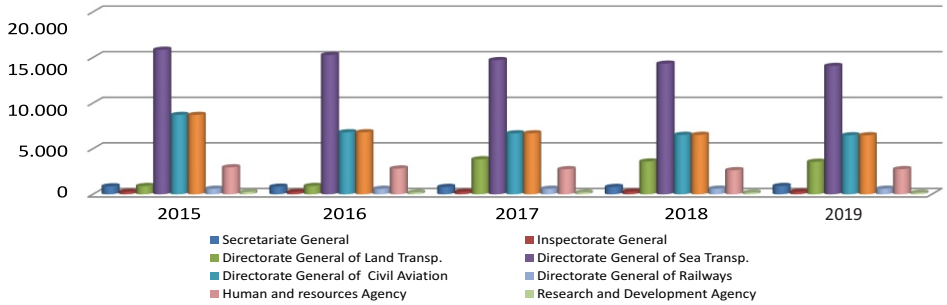
Strata 3	69	Profesi	0	Diploma	182
Strata 2	3418	Diploma 4	971	SLTA	12918
Strata 1	8197	Diploma 3	3498	SLTP	462
Spesialis	74	Diploma 2	716	SD	130

Total Employee 30635

Source : Finance and Logistic berau, 2019

G. EMPLOYEE COMPOSITION

2. Annual Number of Employee Composition Based on Departement, 2015 - 2019

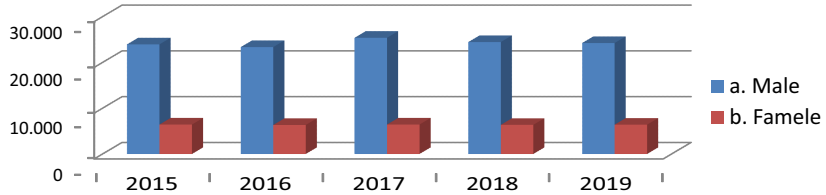


Organization Unit	2015	2016	2017	2018	2019
Secretariate General	865	826	799	798	903
Inspectorate General	260	252	265	279	273
Directorate General of Land Transp.	900	904	3.834	3.589	3.559
Directorate General of Sea Transp.	15.844	15.268	14.708	14.318	14.067
Directorate General of Civil Aviation	8.697	6.793	6.677	6.507	6.462
Directorate General of Railways	603	593	598	606	607
Human and resources Agency	2.951	2.821	2.742	2.638	2.751
Research and Development Agency	245	191	190	176	168
Greater Jakarta Transport Authority	-	100	104	118	143
Conjunct/employed	-	1.934	1.891	1.786	1.702
Total	30.365	29.682	31.808	30.815	30.635

Source : Finance and Logistic berau, 2019

G. EMPLOYEE COMPOSITION

3. Annual Number of Emplyee Composition Based On Gender, 2015 - 2019

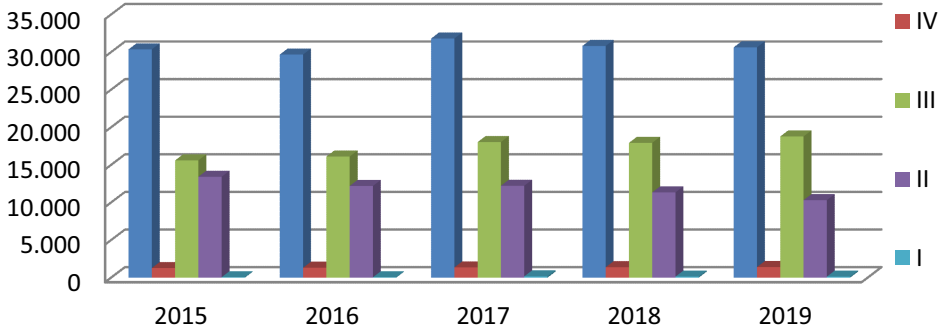


Organization Unit	2015	2016	2017	2018	2019
Secretariate General	865	826	799	798	903
a. Male	558	535	506	508	610
b. Famele	307	291	293	290	293
Inspectorate General	260	252	265	279	273
a. Male	189	182	189	194	185
b. Famele	71	70	76	85	88
Directorate General of Land Transport	900	904	3.834	3.589	3.559
a. Male	639	655	3.423	3.153	3.081
b. Famele	261	249	411	436	478
Directorate General of Sea Transport	15.844	15.268	14.708	14.318	14.067
a. Male	13.180	12.655	12.160	11.810	11.609
b. Famele	2.664	2.613	2.548	2.508	2.458
Directorate General of Civil Aviation	8.697	6.793	6.677	6.507	6.462
a. Male	6.751	5.091	4.987	4.853	4.816
b. Famele	1.946	1.702	1.690	1.654	1.646
Directorate General of Railways	603	593	598	606	607
a. Male	432	423	418	416	407
b. Famele	171	170	180	190	200
Human and resources Agency	2.951	2.821	2.742	2.638	2.751
a. Male	2.065	1.952	1.876	1.790	1.857
b. Famele	886	869	866	848	894
Research and Development Agency	245	191	190	176	168
a. Male	124	94	95	87	89
b. Famele	121	97	95	89	79
GreaterJABODETABEK Transport Authority	-	100	104	118	143
a. Male	-	70	71	89	109
b. Famele	-	30	33	29	34
Conjunct/employed	-	1.934	1.891	1.786	1.702
a. Male	-	1.691	1.652	1.552	1.473
b. Famele	-	243	239	234	229
Total	30.365	29.682	31.808	30.815	30.635
a. Male	23.938	23.348	25.377	24.452	24.236
b. Famele	6.427	6.334	6.431	6.363	6.399

Source : Finance and Logistic berau, 2019

G. EMPLOYEE COMPOSITION

4. Number of Employee Composition Based On Grade, 2015 - 2019



Grade	2015	2016	2017	2018	2019
TOTAL	30.365	29.682	31.808	30.815	30.635
IV	1.278	1.322	1.371	1.392	1.412
III	15.599	16.107	18.037	17.934	18.781
II	13.422	12.196	12.225	11.344	10.305
I	66	57	175	145	137

Source : Finance and Logistic berau, 2019

G. EMPLOYEE COMPOSITION

5. Number of special Function Employee Composition
Based on Job Position, 2015 - 2019

No.	Description	2015	2016	2017	2018	2019
1	*Cruise Safety Surervisor* /Pengawas Keselamatan Pelayaran (CSS)	1.466	1.380	936	936	891
2	*Flight Engineer* /Teknisi Penerbangan	1.120	2.095	588	588	518
3	*Vehicel tester* /Penguji Kendaraan Bermotor (PKB)	27	14	13	13	12
4	*Planner*/ Perencana	43	38	24	24	20
5	*Employee Analyst* /Analis Kepegawaian	120	89	56	56	55
6	*Planning Legislation* /Perencanaan Perancang Perundang-Undangan	2	2	1	1	1
7	*Archivist* /Arsiparis	96	96	82	82	62
8	*Public Relation Instistutions* /Pranata Humas	30	35	16	16	15
9	*Doctor s*/Dokter	8	14	34	35	51
10	*Dentist*/ Dokter Gigi	15	13	13	13	17
11	*Nurse* /Perawat	11	12	47	58	54
12	*Nurse of Dentist* /Perawat Gigi	10	7	6	6	8
13	MidWife/Bidan	1	1	1	1	1
14	*Computerist of institutions*/Pranata Komputer	51	53	30	30	16
15	*Statistician* /Statistisi	26	20	11	11	10
16	*Environment Impact Control Officer* /Pedal	13	9	9	9	12
17	*Auditor* / Auditor	93	138	133	133	104
18	*Researcher* /Peneliti	87	82	103	103	64
19	Mid Researcher/Litkayasa	60	62	16	16	16
20	Lecture/Dosen	474	576	450	450	479
21	*Widyaiswara* /Widyaiswara	38	24	23	23	23
22	*Radiographer*/Radiografi	2	2	7	7	4
23	*Instructure*/Instruktur	161	95	101	101	116
24	*Pharmacist* /Apoteker	2	2	1	1	1
25	*Engineering* /Perekayasa	23	14	6	6	5
26	*Fisioteraper*/Fisiotrapi	4	1	3	1	2
27	*Translater* /Penerjemah	4	2	4	4	3
28	*Health Laboratory Staf* /Pranata Laboraturium Kesehatan	1	1	5	5	0
29	*Sanitarian*/Sanitarian	0	0	0	0	0
30	*Pharmacist Assistance* /Asisten Apoteker	1	1	0	0	0
31	Manager and Procurement Goods and services /Pengelola Pengadaan Barang dan Jasa	0	0	58	58	2
32	*Medical Recorder* /Perekam Medis	0	0	1	1	1
33	*Occupational Health Safety Testers* /Penguji K3	0	1	0	0	0
34	*Employee Auditor* /Auditor Kepegawaian	0	0	1	1	1
	Total	3.989	4.879	2.779	2.789	2.564

Source : Finance and Logistic berau, 2019

TERMINOLOGY

Terminal
Road Transport Insfrastructure for the purpose of loading and loading person or goods and organize the arrival and departure of public transport, wich is one form the transport

Terminal Type A
Terminals that function to serve public transport for inter-city transport and inter provincial and / or national borders freight traffic, transportation between cities in the province, urban.

Ferry Transport
Transport through the strait, river or bay using ferry / crossing

Pioneer Transport
Trasport carried out of or into remote areas and border areas of potential yet undeveloped areas intendedto encourage the development, enhancement and equitable development and results as well as the establishment of a stable national stability and

Lakes and Rivers Transport
Transport throught rivers and lakes by boat / motor boat / boat is not motorized

Dock
Building erected in waters which can be used to rest the tools crossings and used for loading and auloadding goods, vihicles and

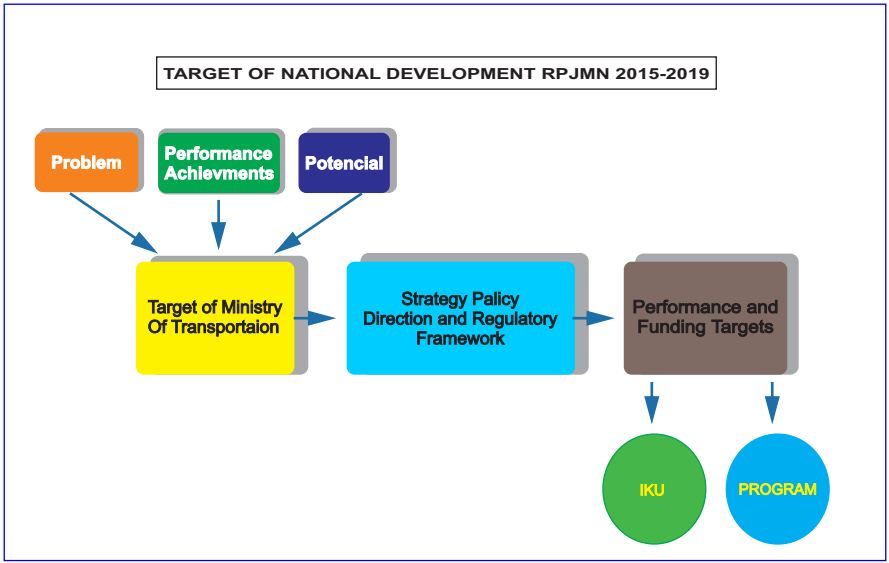
The Navigational Ship
The Navigational Ship is state owned vessel used by a government that is given the function and authority in accordance with the provisions of legislation to enforce the law and other governmental duties (goverment regulation No. 5 of 2010 on Navigation)

SBNP
SBNP is a vessel system or equipment designed and operated to im[rove the safety and efficiency of navigating ship and/or vessel traffic. (Law No. 17 of 2008 on Shipping)

Railways Insfractruture
Paths and Railway station includding the necessary faciities so that means the train can operate

Railways Structure
Everything that can move on rails

TARGET OF NATIONAL DEVELOPMENT 2015 - 2019



ANNEX A. MINISTRY OF TRANSPORTATION STRATEGIC PLANNING FLOW CHART PERIOD 2015 - 2019



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