

C. RAILWAYS TRANSPORTATION

1. Railways Infrastructure

a. Length of Railway Line in Jawa, Madura and Sumatera, 2015-2019

LENGTH OF RAILWAY LINE IN JAWA, MADURA, SUMATERA AND SULAWESI 8.922,98 Km	ACTIVE/OPERATION 6.221,698 Km	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 Km		
			PAPUA	26,00 Km		
	NON AKTIF/NON OPERATION 2701,286 Km	SUMATERA		298,518 Km		
JAWA AND MADURA		2402,768 Km				

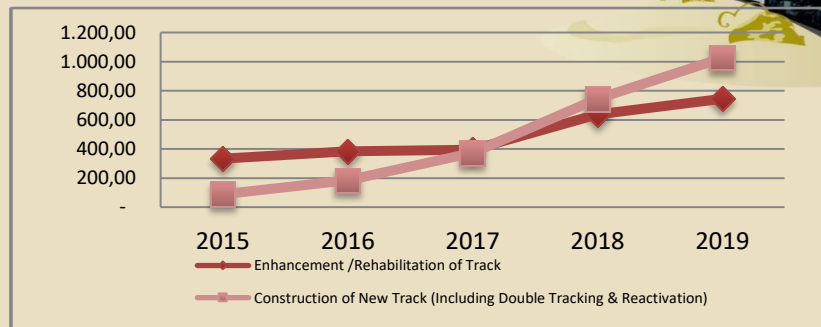
Note : There was a validation in the cross-operational data for 2015 to 2018 with the achievements of the construction railroad track

Source : Directorate General of Railways, Year 2019

C. RAILWAYS TRANSPORTATION

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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

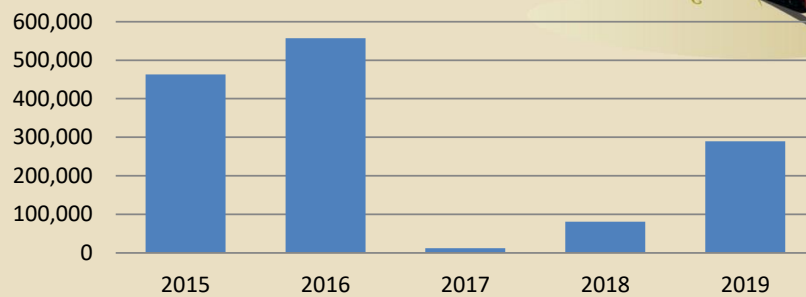
There is a separation of types of activities between the cumulative number of railroad improvement / rehabilitation with the cumulative number of new railway development including double track and yearly reactivation

Source : Directorate General of Railways, Year 2019

C. RAILWAYS TRANSPORTATION

1. Railways Infrastructure

c. Annual Number of Railways Sleepers Replacement, 2012-2017



■ Railways Sleepers Replacement (bar)

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

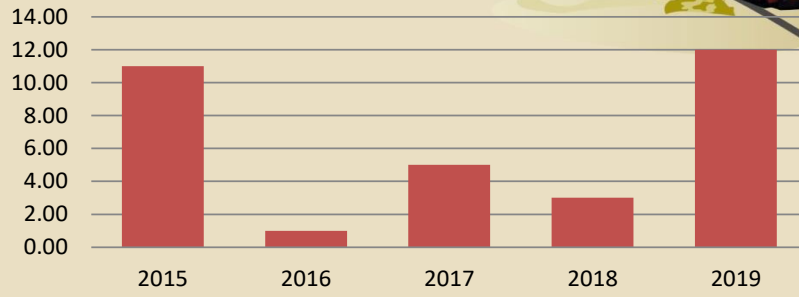
Note : Number of railway sleepers replacement based on enhancement / rehabilitation of track

Source : Directorate General of Railways, Year 2019

C. RAILWAYS TRANSPORTATION

1. Railways Infrastructure

d. Annual Number of Railway Signalling Increment, 2015-2019



■ Railways Signalling Enhancement

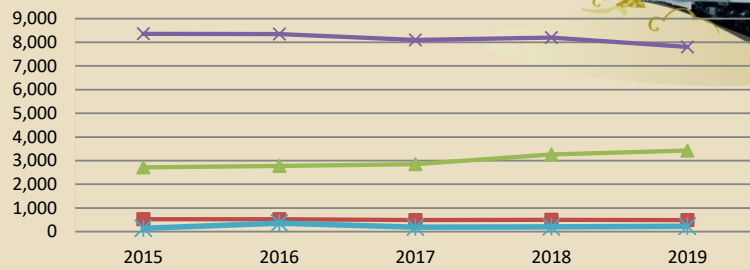
Years	Unit	2015	2016	2017	2018	2019	Total
Railways Signalling Enhancement	Packet	11.00	1.00	5.00	3.00	12.00	32

Source : Directorate General of Railways, Year 2019

C. RAILWAYS TRANSPORTATION

2. rolling Stock

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



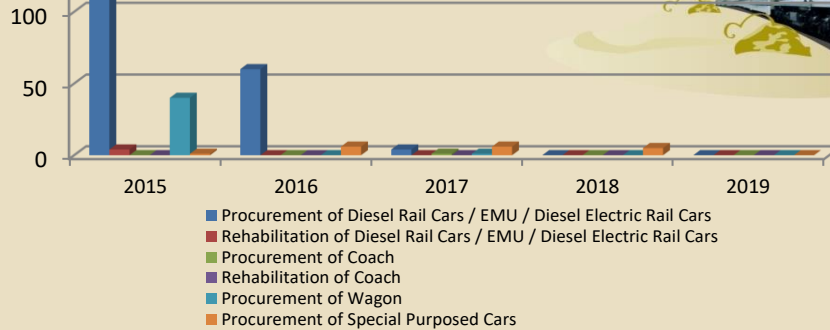
Years	Unit	2015	2016	2017	2018	2019	Total
LOCOMOTIVE	Unit	525	524	490	496	491	2,526
COACH	Unit	2,716	2,772	2,855	3,257	3,427	15,027
WAGON	Unit	8,357	8,347	8,098	8,200	7,805	40,807
Special Purposed Cars	Unit	140	357	182	205	221	1,105

Source : Directorate General of Railways, Year 2019

C. RAILWAYS TRANSPORTATION

2. Rolling Stock

b. Annual Procurement and Maintenance of Rolling Stock, 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

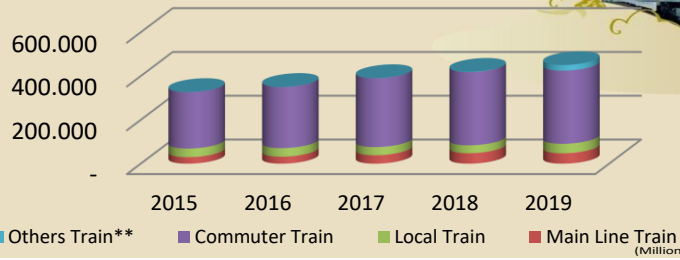
Source : Directorate General of Railways, Year 2019



C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Service

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



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

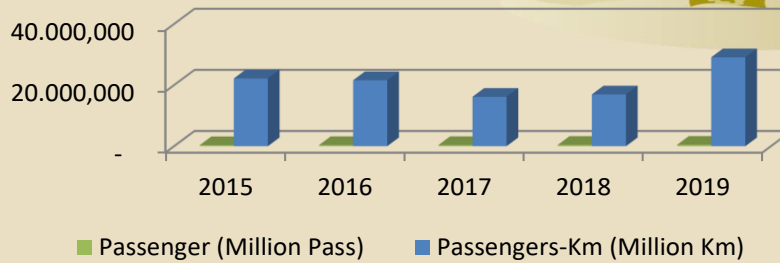
Source : Directorate General of Railways, Year 2019



C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Service

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

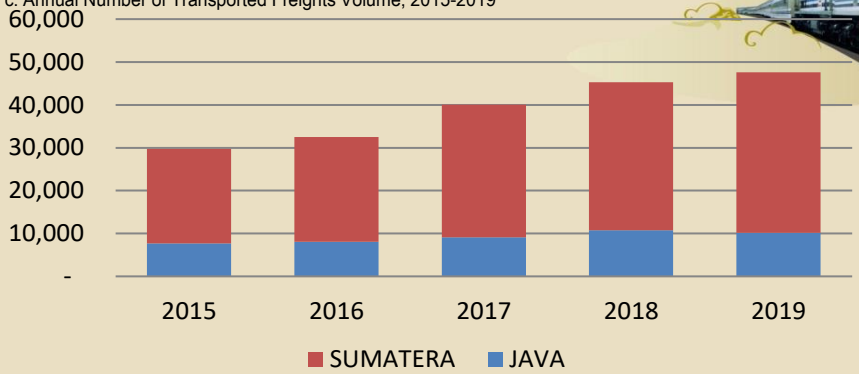
Source : Directorate General of Railways, Year 2019



C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Service

c. Annual Number of Transported Freights Volume, 2015-2019



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

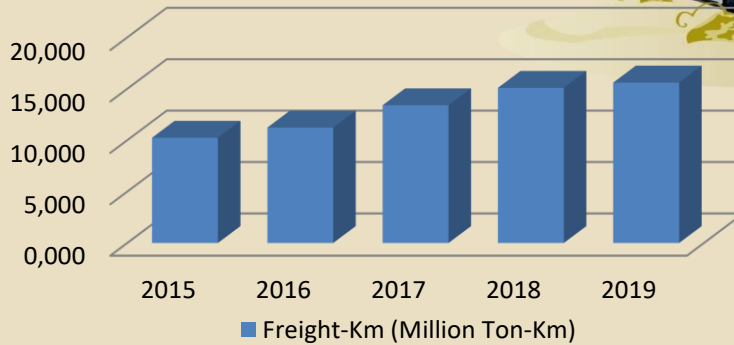
Source : Directorate General of Railways, Year 2019



C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Service

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%

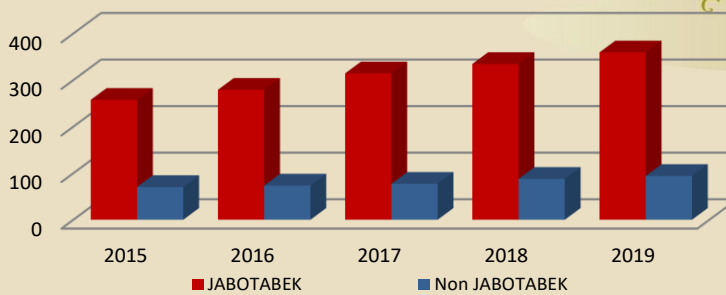
Source : Directorate General of Railways, Year 2019



C. RAILWAYS TRANSPORTATION

3. Productivity of Rail Transport Service

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%

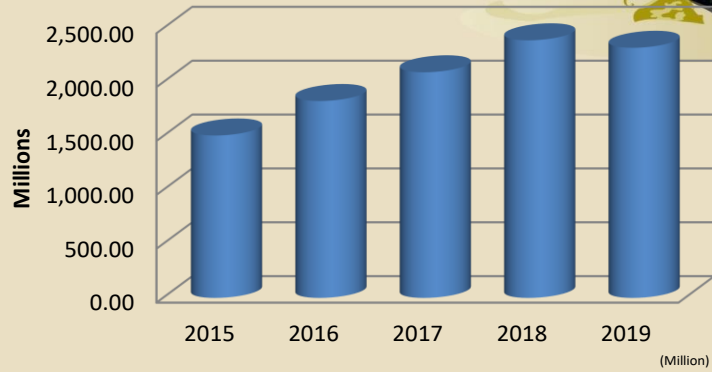
Note : Jabotabek include Commuter Train, Soekarno Hatta Airport Railways, MRT Jakarta, LRT Jakarta (Velodrome-Kelapa Gading)

Source : Directorate General of Railways, Year 2019



C. RAILWAYS TRANSPORTATION

4. Public Service 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

C. RAILWAYS TRANSPORTATION

5. Annual Level of Service, 2015-2019

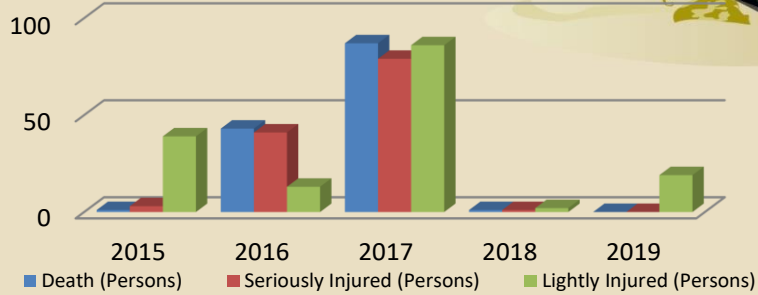
TYPE	YEARS				
	2015	2016	2017	2018	2019
Punctual Pass. Dep. (%)	76	65	84	89	86
Delay Pass. Dep. (mnt)	7	12	3	2	2
Punctual Pass. Arr. (%)	41	41	66	76	72
Delay Pass. Arr. (mnt)	16	22	7	5	5
Punctualy Freight Dep. (%)	16	32	37	58	65
Delay Freight Dep. (mnt)	125	110	112	27	5
Functual Arr. Dep. (%)	12	27	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 Accident Casualties, 2015-2019



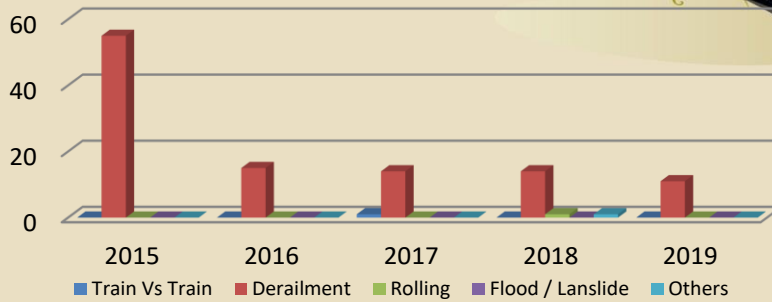
Years	2015	2016	2017	2018	2019
Death (Persons)	1	43	87	1	0
Seriously Injured (Persons)	3	41	79	1	0
Lightly Injured (Persons)	39	13	86	2	19
Number of Victim	43	97	252	4	19

Source : Directorate General of Railways, Year 2019

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6. Rail Accidents

b. Annual Number of Rail Accident 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 / Landslide	0	0	0	0	0
Others	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