

“Soekarno-Hatta International Airport is the world’s 25th busiest airport”



1. Indonesia at Glance

Archipelago Total islands: 13,487 islands

Area

1. Land Area: 1,922,570 km²
2. Water Area: 3,257,483 km².

Population

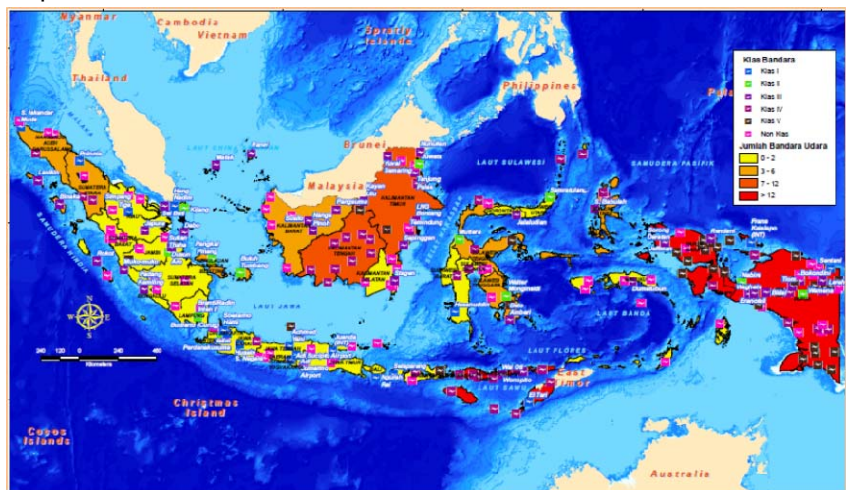
248.2 million (2012 – data IMF)
237.6 million (2010 – data BPS)



2. Airport in Indonesia

According to State Law No. 1 2009 regarding Aviation, Airport activities in Indonesia are divided into 2 function; government function and business function. Government function in airport is represented by the Airport Authority.

Airport Location in Indonesia



Source: Spatial Data Location Airport, Bakorsurtanal 2004

According to Aviation Law article 232, Airport’s business activities covers airport services and other services. Non commercial business activities in Indonesia’s airports are operated by Airport Operator Unit under Ministry of Transportation, while commercial business activities are managed by Airport Companies.

Airports in Indonesia are categorized by its operators. Airports managed by Technical Operator Unit Directorate General of Air Transportation (UPT) as Airport Operator Unit and airports managed by PT Angkasa Pura I (AP I) dan PT Angkasa Pura II (AP II) as Airport Companies. Moreover, there are several small airports managed by Private Companies.

Total airports in Indonesia : • 148 domestic airports
• 24 International airports

Airport categorized by its operator UPT manages 125 Airports

AP I manages 13 airports;

AP II manages 12 airports;

1. Juanda Airport, Surabaya
2. Ngurah Rai Airport, Bali
3. Sultan Hasanuddin Airport, Makassar
4. Sepinggan Airport, Balikpapan
5. Adi Sucipto Airport, Yogyakarta
6. Lombok Airport, Lombok
7. Sam Ratulangi Airport, Manado
8. Syamsuddin Noor Airport, Banjarmasin
9. Achmad Yani Airport, Semarang
10. El Tari Airport, Kupang
11. Pattimura Airport, Ambon Maluku
12. Adi Sumarmo Airport, Solo
13. Frans Kaisepo Airport, Biak

1. Soekarno-Hatta Airport, Jakarta
2. Kualanamu (Polonia) Airport, Medan
3. Halim Perdanakusuma Airport, Jakarta
4. Supadio Airport, Pontianak
5. Minangkabau Airport, Padang
6. Sultan Mahmud Badaruddin II Airport, Palembang
7. Sultan Syarif Kasim II Airport, Pekanbaru
8. Husein Sastranegara Airport, Bandung
9. Sultan Iskandarmuda Airport, Banda Aceh
10. Raja Haji Fisabilillah Airport, Tanjungpinang
11. Sultan Thaha Airport, Jambi
12. Depati Amir Airport, Pangkalpinang

Main Airports

1. Juanda Airport, Surabaya
2. Ngurah Rai Airport, Bali
3. Hasanuddin Airport, Makassar

1. Kualanamu (Polonia) Airport, Medan
2. Soekarno-Hatta Airport, Jakarta

Total domestic passengers from 5 main airports (2012)

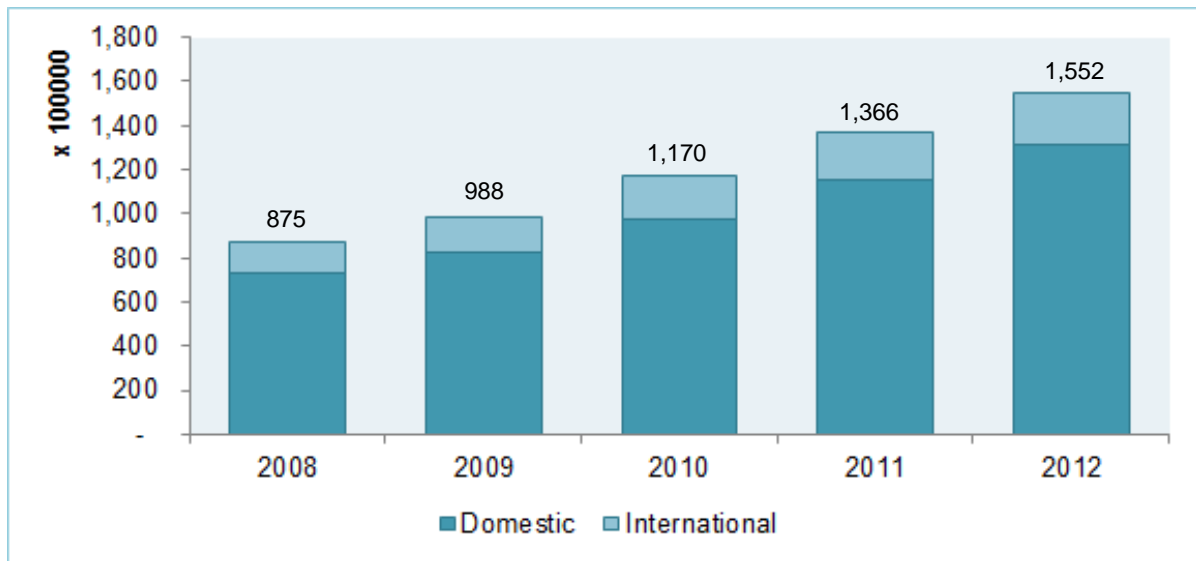
131,773,057 passengers

Main Projects (2013)

New Airport development projects according to PPP book 2013:

1. *Bali New Airport* development project, Bali
2. *Kulonprogo International Airport* development project, Yogyakarta

3. Domestic and International Passenger Flows



Source: Ministry of Transportation Statistics 2009 & 2012

Those 5 main airports had the capacity of 155,199,914 passengers in 2012. Within the capacity, 84.19% or around 131,773,057 passengers were domestic passengers. The remaining 15.09% or 23,426,857 were international passengers. This total passengers increase 13.60% in comparison to 2011 with total passengers of 136,617,487.

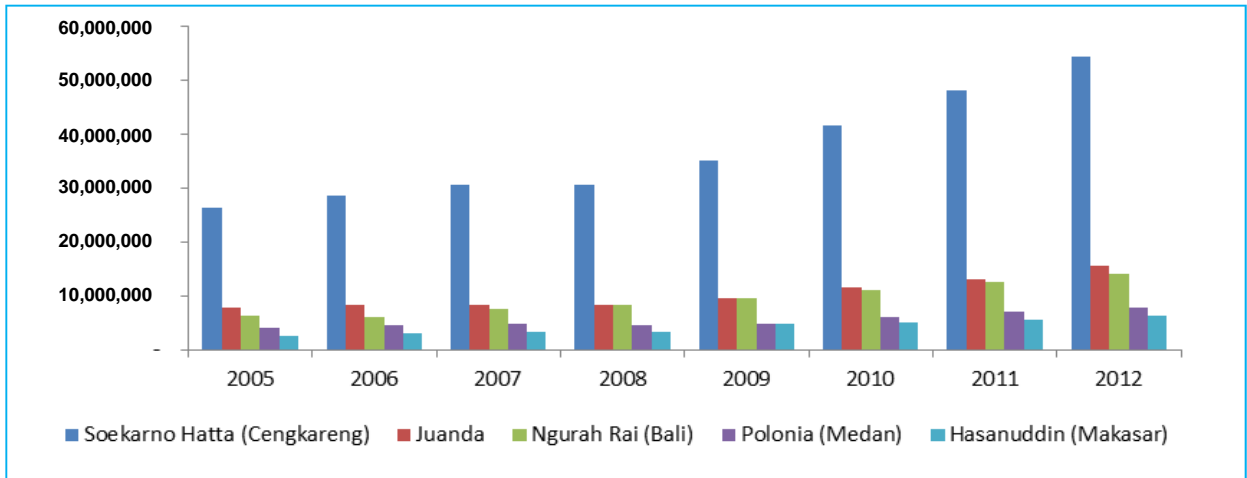
Soekarno-Hatta Airport (Cengkareng), Juanda Airport (Surabaya) and Ngurah Rai Airport (Bali) as the top three largest airports in Indonesia contributed 54.21% from total domestic and international passengers. Soekarno-Hatta Airport had the largest contribution of 64.77%.



4. Main Airports' Passengers and Capacities

a. Passengers

The statistics below shows the increasing of passengers number in 5 main airports, Soekarno-Hatta, Juanda, Ngurah Rai, Polonia/ Kualanamu and Hasanuddin



Source: Ministry of Transportation Statistics 2009 & 2012

Soekarno Hatta Airport accommodated most passengers since 2005 followed by Juanda, Ngurah Rai, Polonia and Hasanuddin.

In 2012, Soekarno Hatta has served 54.4 million passengers, increased by 15.78% in 3 years from 35.1 million passengers in 2009. Juanda Airport (Surabaya) served around 15.6 million passengers, increased by 18.05% in 3 years from 2009. Ngurah Rai Airport (Bali) served 14.01 million passengers, rised by 13.86% compare to 2009. Polonia Airport (Medan) dan Hasanuddin (Makassar) increased by 18.11% dan 10.12% in the period 2009-2012 with total passengers of 7.86 million dan 6.33 million in 2012 respectively.

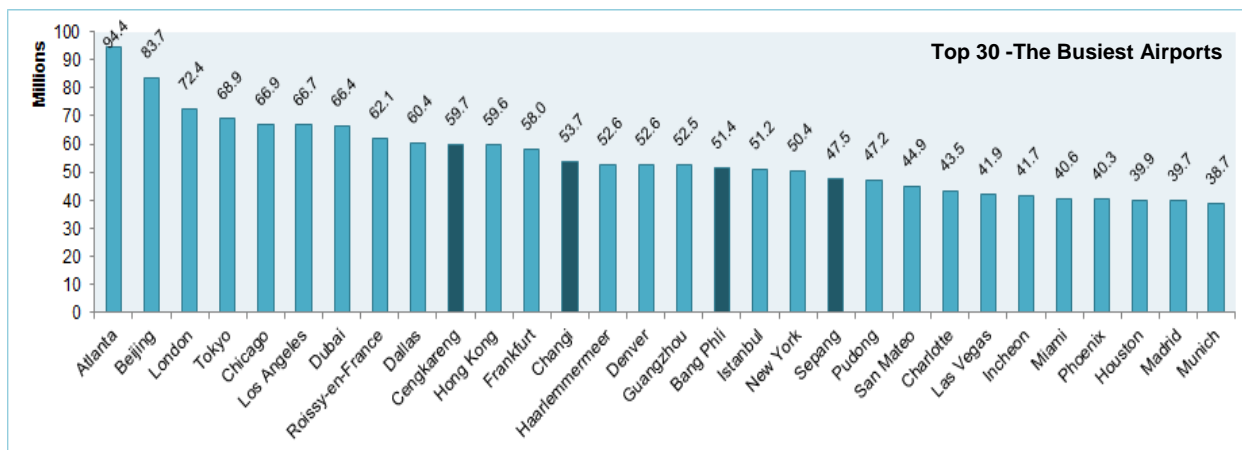
b. Growth of Airport Capacity of the Five Major Airports

Main Aiport	Number of Passengers (2012)	Maximum Capacity	Passengers to Capacity Ratio (2012)
Soekarno-Hatta, Cengkareng	54,486,780	22,000,000	247.67%
Juanda, Surabaya	15,629,242	12,500,000	125.03%
Ngurah Rai, Bali	14,012,120	25,000,000	56.05%
Polonia, Medan	7,863,957	8,100,000	97.09%
Hasanuddin, Makassar	6,339,407	7,000,000	90.56%

Soekarno-Hatta dan Juanda had reached more than 100% capacity ratio.

5. Bandar Udara Soekarno Hatta ranked the 10th-busiest Airport in the World 2013.

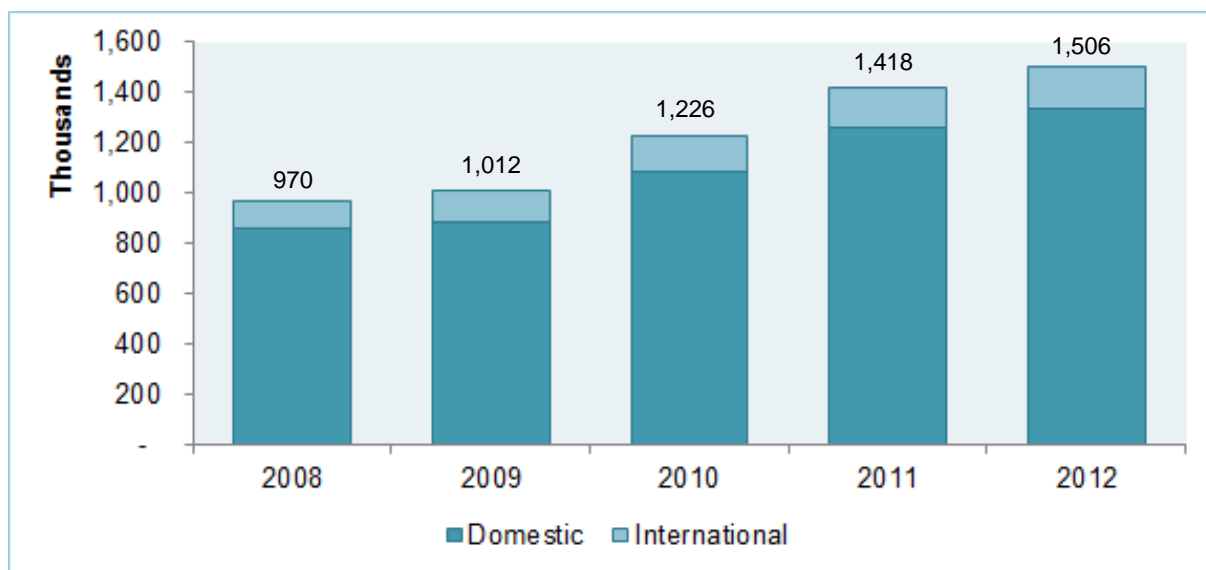
According to media release by Airports Council International regarding Preliminary World Airport Traffic and Ranking 2013, Soekarno-Hatta ranked in 10th most busiest airport in term of passenger flows in the world, dropping from 9th position in 2012. In top ranks, Hartsfield–Jackson Atlanta International Airport is leading with 94.4 million passengers, followed by Beijing China (PEK) 83.7 million, London Heathrow, England (LHR) 72.3 million, Tokyo Haneda, Japan (HND) 68.9 million, Chicago IL US (ORD) 66.7 million, Los Angeles CA US (LAX) 66.6 million, Dubai AE (DXB) 66.43 million, Paris France (CDG) 62 million, Dallas/ Fort Worth TX, US (DFW) 60.4 million and Jakarta Indonesia (CGK) with 60.1 million passenger.



In South-East Asia, Soekarno-Hatta is the busiest airport followed by Changi Airport Singapore 53.7 million, Bangkok 51.3 million and Kuala Lumpur 47.4 million passengers.

6. Aircraft Movements

Aircraft movements has been increased by 12% in 2008-2012 period. However there were downtrend in 2010-2012 from 22% in 2010 to only 6% in 2012.



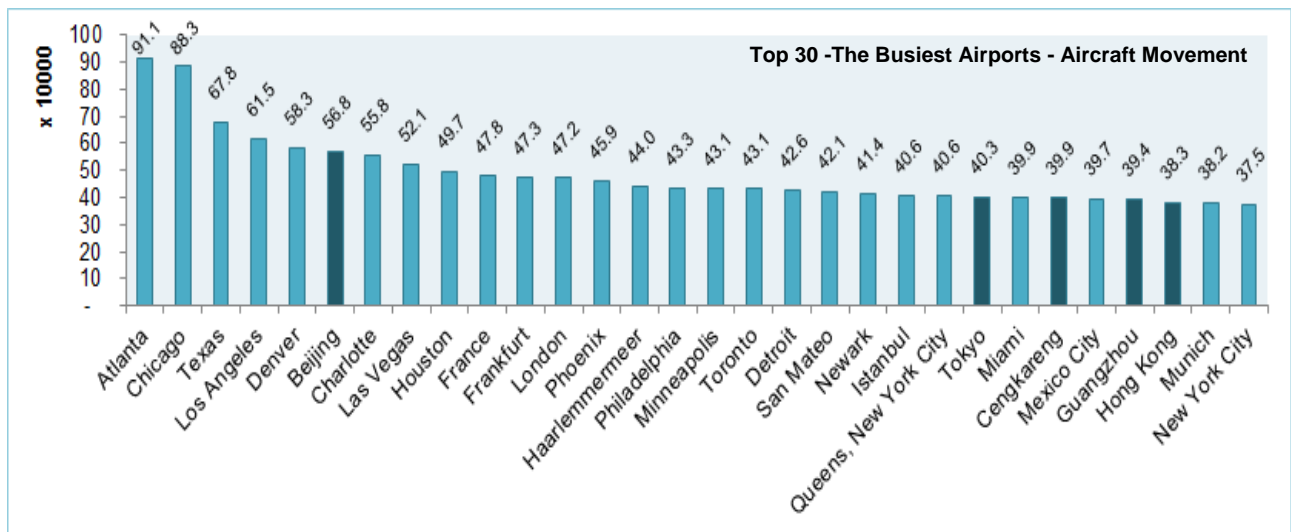
Source: Ministry of Transportation Statistics, 2009 & 2012

Soekarno-Hatta Airport contributed 14% or 380,281 from total 2,672,006 aircraft movements in 2012 and became the busiest-airport in Indonesia compared to other 4 main airports.

7. Soekarno Hatta Airport ranked in World's Top 25 Airport with the Busiest Aircraft Movements in 2013

Soekarno Hatta Airport ranked in World's Top 25 Airport with The Busiest Aircraft Movements in 2013, moved up 3 positions from 28 in 2012. World's Top 5 Airport with the busiest aircraft movements are Atlanta GA US 911,000 movements, Chicago 883,000 movements, Dallas/ Fort Worth 678,000 movements, Los Angeles 614,000 movements and Denver 582 aircraft movements. The Top 5 positions are dominated by US Airports. Beijing, China had 567,000 movements and Paris with 478,000 movements are two airports outside US in the world's top 10.

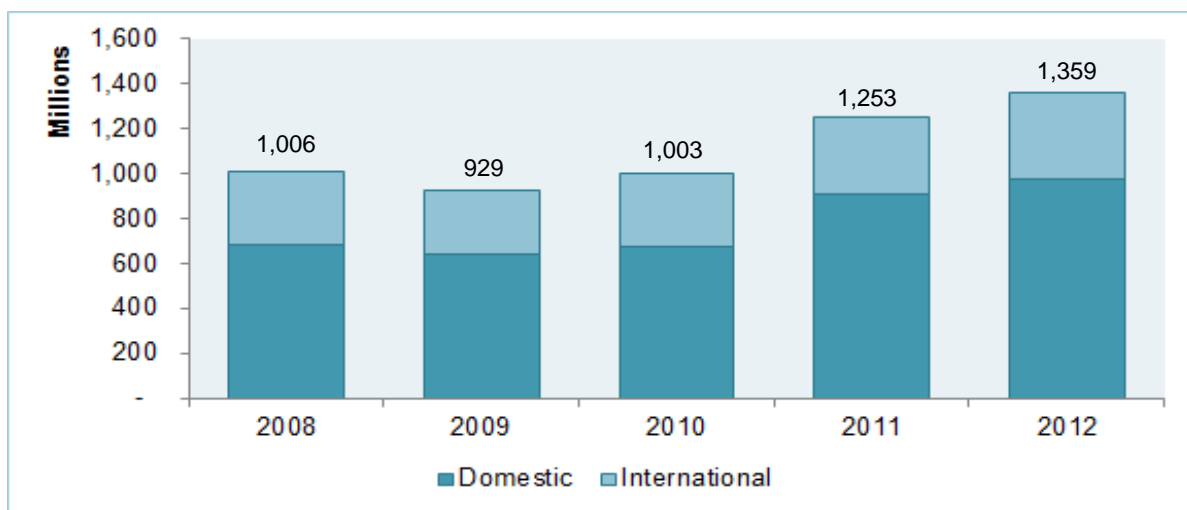
Soekarno-Hatta Airport is the only South East Asia in Top 30 Airports with busiest aircraft movements with total number movements of 398,985 in 2013.



Source: [Media release Airport Council International – preliminary world airport traffic and rankings 2012 dan 2013](#)

8. Cargo Traffic

Cargo traffic growth was significantly increased 34.44% in 2011 from 2010, compared to previous period 2008-2009 and 2009-2010. However, deceleration by took place in 2011-2012 as shown in figure below



Source: Ministry of Transportation Statistics, 2009 & 2012

Soekarno Hatta Airports dominated around 32% cargo traffic in 2012 and considered as the highest in 2008-2012 period compared to other main airports in Indonesia.



9. The Busiest Cargo Airport in the World

However, in the world's busiest cargo airport report 2013, Soekarno-Hatta Airport is not in Top 30 list as the busiest cargo airport. In the contrary with *aircraft movement*, Top 5 *cargo traffic* are dominated by Asian Airports; Hong Kong, Shanghai, Incheon and Dubai, except Memphis US which is placed in second position.



10. Development

Airport Development are focused on capacity upgrade for existing airports and new airport development.

There are several airports that has been developed;

- Juanda Airport, Sidoarjo
- Minangkabau International Airport
- Hasanuddin Airport, Makassar
- Sultan Mahmud Badaruddin II Airport, Palembang
- Lombok International Airport

Indonesian domestic passengers was about 23,763,950 in 2004. It increased significantly in 2013 to 82,134,683 with annual average growth of 21.5% . This growth is in line with cargo traffic growth with average annual growth of 13.3%.

Other airport developments;

a. Kualanamu International Airport, Deli Serdang, North Sumatera

Development	:	<ul style="list-style-type: none"> • Stopped due to monetary crisis in 1997 and continued in 2007 then completed in 2013 • Included in MP3EI project list. • Replace Polonia Airport, Medan
Operated	:	25 July 2013
Project cost	:	IDR5,59 trillion
Passenger Capacity	:	83 million/ year
Aircraft Movement Capacity	:	10,000/ year
Operator	:	PT AP II (Persero)

b. Raja Haji Fisabilillah International Airport, Tanjung Pinang

Development	:	<ul style="list-style-type: none">• 2011- 2013• New Terminal Development
Project cost	:	IDR97 billion
Passenger Capacity	:	610,000 / year
Aircraft Movement Capacity	:	-
Operator	:	PT AP II (Persero)

c. Sultan Syarif Kasim II International Airport, Pekanbaru

Development	:	<ul style="list-style-type: none">• 2011 - 2012• New Terminal Development
Project cost	:	IDR214 billion
Passenger Capacity	:	8 million / year
Aircraft Movement Capacity	:	10,000/ year
Operator	:	PT AP II (Persero)

d. Muara Bungo Airport, Jambi

Pembangunan	:	<ul style="list-style-type: none">• 2007-2013• Cooperation between Ministry of Transportation and Government of Jambi Province
Operated	:	August 2012
Project cost	:	IDR225.14 billion (State-Budget) IDR142.40 billion (Jambi Province-Budget)
Passenger Capacity	:	-
Aircraft Movement Capacity	:	-
Operator	:	PT AP II (Persero)

e. Pekon Serai Airport, West Lampung

Development	:	Beside operated as commercial airport, this airport has function as natural disaster mitigation airport. Cooperation between Central Government and Local Government.
Operated	:	-
Project cost	:	IDR95.86 billion
Passenger Capacity	:	-
Aircraft Movement Capacity	:	-
Operator	:	

f. Pagar Alam Airport, Lahat, South Sumatera (Atung Bungsu)

Pembangunan	:	2007-2013
		Planned to serve Bengkulu-Pagar Alam route
Operated	:	-
Project cost	:	State-Budget: IDR108.5 billion Local Government Budget: IDR217.9 billion.
Passenger Capacity	:	-
Airport Movement Capacity	:	-
Operator	:	Technical Operation Unit Kota Pagar Alam, Lahat, South Sumatera

Total number of airport development projects with PPP scheme in PPP book has been decreased from 4 projects in 2012 to 2 projects in 2013. Kulon Progo International Airport Project and New Bali Airport Project are still considered as PPP *potential projects*. Therefore, South Banten Airport Project that listed as *priority project in 2012* were eliminated in 2013.

11. Airport Development Projects in PPP Scheme

Airport Development projects are focused to improve airport's capacity and new airport development. Several strategic projects were completely developed such as Juanda Airport Sidoarjo, Minangkabau International Airport (BIM), Hasanuddin Airport Makassar, Sultan Mahmud Badaruddin II Airport Palembang, Lombok International Airport, and Kualanamu International Airport, North Sumatera.

a. PPP Book 2012

<i>Project Readiness</i>	Sector	Project	Location	Estimated Project Cost (USD million)
Priority	Transportation	South Banten Airport	Pandeglang, West Java	214
Potential	Transportation	Kertajati International Airport	West java	130
		Kulonprogo International Airport Development	Yogyakarta	500
		New Bali Airport Development	Bali	510

b. PPP Book 2013

<i>Project Readiness</i>	Sector	Project	Location	Estimated Project Cost (USD million)
Potential	Transportation	New Bali Airport Development	Bali	510
		Kulonprogo International Airport Development	Yogyakarta	500

12. Main Airports Area

Below is information regarding main airports area in Indonesia and airport project development area in Indonesia according to PPP Book 2012 and 2013:

a. Main Airports

Airport Name	Area (Ha)
Soekarno Hatta	1,740
Juanda	1,285
Ngurah Rai	285
Hasanuddin	817
Kualanamu	1,365

b. New Airport Development Projects

Airport Name	Area (Ha)
Kertajati	970
Kulon Progo	637
New Bali Airport	1,120
South Banten Airport	-

13. Runway Length

Moreover, Hang Nadim Airport in Batam has the longest runway in Indonesia, it is longer than Changi Airport runway in Singapore. However, runway in Kuala Lumpur International Airport with length of 4,124 meter is considered as the longest runway in South-East Asia.

Airport Name	Runway (meter)
Hang Nadim – Batam	4,025
Soekarno-Hatta – Jakarta	3,660
Frans Kaisiepo – Biak	3,571
Sultan Hasanuddin – Makassar	3,100
Ngurah Rai – Bali	3,000
Juanda – Surabaya	3,000
Polonia – Medan	3,000
Sultan Mahmud Badaruddin II – Palembang	3,000
Sultan Iskandar Muda – Banda Aceh	3,000
Minangkabau – Padang	2,749

Airport Name in ASEAN	Runway (meter)
KLIA Kuala Lumpur, Malaysia	4,124
Changi, Singapura	4,000

With the length more than 3,090 meter, several airports in Indonesia are capable to be landed by aircraft with size of B747 and A380 which are claimed as the targets aircraft in the world. However, it requires other facility improvement in addition to runway in order to fully serve those *double deck* aircrafts.



Disclaimer

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