



Indonesian Airports Dataset – Data Research & Enrichment Project

184 Airports across 7 Indonesian Regions with ICAO/IATA Codes,
Locations, Addresses, Ratings & Maps

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Revision History

Version	Description of Change	Author	Date of Issue
1.0	Initial version	Dini Murti	01 September 2025

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1. Introduction

Indonesia is the largest archipelago in the world, with over 17,000 islands spread across vast geographical regions. Air travel is one of the most essential modes of transportation that connects these islands. However, structured and accessible information on all airports in Indonesia is often fragmented across multiple sources.

This project compiles a comprehensive dataset of 184 airports in Indonesia, categorized by region. The dataset combines technical details such as ICAO/IATA codes and operational status with practical, user-centric information like Google Maps links, addresses, and user ratings.

2. Objectives

The project was designed with the following objectives:

1. To create a complete and structured dataset of Indonesian airports.
2. To enrich the dataset with real-world usability features (addresses, Google Maps links, and ratings).
3. To demonstrate data research, validation, and organization skills that can be applied to other domains.

3. Methodology

3.1. Base Dataset Collection

1. Source: Wikipedia's "List of airports in Indonesia."
2. Technique: Imported the table using the Google Sheets formula =IMPORTHTML, which allowed me to pull structured tables directly into a spreadsheet.

Formula:

```
=IMPORTHTML("https://en.wikipedia.org/wiki/List_of_airports_in_Indonesia", "table", 1)
```

3.2. Manual Data Enrichment

To enhance the dataset, I performed manual research by:

1. Searching each airport on Google.

2. Copy-pasting the official address.
3. Copy-pasting the Google Rating (to capture user perception).
4. Adding Google Maps links for direct access.

3.3. Data Cleaning

1. Removed incomplete columns (“Coordinates” and “Named after”) to keep the dataset clean and professional.
2. Ensured consistency across all 184 entries.
3. Categorized airports into 7 major geographical regions:
 - a. Java, Madura, and outlying islands
 - b. Sumatra and outlying islands
 - c. Kalimantan and outlying islands
 - d. Sulawesi and outlying islands
 - e. Lesser Sunda Islands
 - f. Maluku Islands
 - g. Western New Guinea and outlying islands

4. Data Structure (Final Columns)

The final spreadsheet contains the following columns:

```
No. | Location served | Province | ICAO | IATA | Airport name |
Airport status | Address & Google Maps Link | Country | Google Rating
```

5. Potential Use Cases

This dataset can serve multiple stakeholders:

No.	Use Case	Description
1	Travel & Tourism Analysis	Comparing airport ratings, accessibility, and regional distribution.
2	Aviation Research	Identifying airport density by region, airport status.
3	Logistics & Business Planning	Helping companies plan routes or service expansions.

No.	Use Case	Description
4	Mapping & Visualization Projects	Plotting Indonesian airports with ratings/addresses on maps or dashboards.
5	Education	Useful for students studying geography, transport, or data enrichment methods.

6. Challenges & Solutions

No.	Challenge	Solution
1	Some data incomplete (e.g., coordinates, "named after").	Removed incomplete columns for clarity and professionalism.
2	Manual copy-paste from Google was time-consuming.	Applied systematic approach, double-checking consistency.

7. Outcome

1. A clean, enriched dataset of 184 Indonesian airports.
2. Ready-to-use resource for research, visualization, or integration into apps.
3. Demonstration of data research, enrichment, and structuring skills.

8. Sample Screenshots / Visualizations

Google Spreadsheet Public Link:

- [Indonesian Airports Dataset – 184 Airports with ICAO/IATA, Locations, Addresses & Ratings - September 2025](#)

#	No.	Location served	Province	ICAO	IATA	Airport name	Airport status	Address	Country	Google Rating
		Java, Madura and outlying islands								
1		Bawean	East Java	WIARW	BXW	Harun Thohir Airport	Civilian	7MCHH85, Pulau Bawean, Kab. Gresik Jawa Timur, Tanjungori, Tambak, Kabupaten Gresik, Jawa Timur 61182 Google Maps	Indonesia	4.5
2		Bandung	West Java	WICC	BDO	Husein Sastranegara Airport	Civilian / Military	Jl. Pajajaran Dalam No.156, Husein Sastranegara, Kec. Cicendo, Kota Bandung, Jawa Barat 40174 Google Maps	Indonesia	4.6
3		Majalengka	West Java	WICA	KJT	*Kertajati International Airport*	Civilian	Kertajati, Majalengka Regency, West Java 45457 Google Maps	Indonesia	4.1
4		Banyuwangi	East Java	WADY	BWX	Banyuwangi Airport formerly Blimbingsari Airport	Civilian	Jalan Agung Willis, Jatiasri, Blimbingsari, Kabat, Banyuwangi Regency, East Java 68642 Google Maps	Indonesia	4.5
5		Cepu	Central Java	WARC	CPF	Ngloram Airport	Civilian	Sawah, Ngloram, Cepu, Blora Regency, Central Java 58315 Google Maps	Indonesia	4.3
6		Cirebon	West Java	WICD	CBN	Cakrabuwana Airport formerly Pengung Airport	Civilian	Jl. Jenderal Sudirman No.1, Kalijaga, Kec. Harjamukti, Kota Cirebon, Jawa Barat 45144 Google Maps	Indonesia	4.3
7		Cilacap	Central Java	WAHL	CXP	Tunggul Wulung Airport	Civilian	Wangon, Jl. Mekar Wangi, Kec. Jeruklegi, Kabupaten Cilacap, Jawa Tengah 53253 Google Maps	Indonesia	4.3
8		Jakarta	Special Capital Region of Jakarta	WIHH	HLP	*Halim Perdanakusuma International Airport*	Civilian / Military	Jl. Raya Halim Perdanakusuma, Halim Perdanakusuma, Kec. Makasar, Kota Jakarta Timur, Daerah Khusus Ibukota Jakarta 13610 Google Maps	Indonesia	4.5
9		Tangerang	Banten	WIll	CGK	*Soekarno-Hatta International Airport*	Civilian	Benda, Tangerang City, Banten Google Maps	Indonesia	4.6
10		Jember	East Java	WARE	JBB	Notohadinegoro Airport	Civilian	Jl. Bandara Notohadinegoro, Gayasan B, Wirowongso, Kec. Ajung, Kabupaten Jember, Jawa Timur 68175 Google Maps	Indonesia	4
11		Karimunjawa	Central Java	WAHU	KWB	Dewadaru Airport	Civilian	SFXH28G, Desa, Kemujan, Karimunjawa, Kabupaten Jepara, Jawa Tengah Google Maps	Indonesia	4.4

9. Conclusion & Reflection

Through this project, I learned the importance of attention to detail when performing manual data enrichment. Even though automated methods exist, manual research ensures accuracy and reliability.

This dataset not only provides a comprehensive resource on Indonesian airports but also illustrates a methodology that can be applied to other datasets, from retail locations to cultural sites, where structured, enriched, and usable information is critical.

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