ABSTRACT

Analysis of Community Health Center Availability Based on the Population Ratio in East Kalimantan Province, 2024

Vina Rahmadani, Ratno Adrianto

Correspondence E-mail : vinarahma812@gmail.com

The availability of primary healthcare facilities is essential for equitable access to health services. East Kalimantan has diverse geographical conditions and uneven population distribution, making it important to assess Puskesmas availability relative to population size.

This study aimed to analyze the ratio of Puskesmas to population across districts and cities in East Kalimantan Province in 2024 and compare the findings with the reference stipulated in Minister of Health Regulation No. 19 of 2024.

This descriptive quantitative study employed a regional ecological approach. Secondary data on population size and the number of Puskesmas across ten districts and cities were obtained from official government sources, including the Central Bureau of Statistics of East Kalimantan and the Provincial Health Office. Ratios per 100,000 population were calculated and compared descriptively across regions and against the regulatory reference.

In 2024, East Kalimantan had 4,045,860 inhabitants and 188 Puskesmas, yielding a provincial ratio of 4.65 per 100,000 population, exceeding the regulatory reference of 3.33. Regional ratios varied considerably, from 3.03 in Samarinda to 17.52 in Mahakam Ulu. Kutai Barat (10.63), Berau (8.02), and Paser (6.62) also exceeded the provincial average. Densely populated cities, including Samarinda and Balikpapan, had lower ratios. These differences reflect variations in population size, density, geography, and facility distribution.

Conclusion/Lesson Learned : Although the provincial ratio exceeded the regulatory reference, this does not guarantee equitable access in every district or city. Puskesmas availability should also be assessed alongside geographical accessibility, travel time, healthcare workforce distribution, and service capacity to support equitable, evidence-informed primary healthcare planning.

Keyword : Community Health Centers, Puskesmas, population ratio, primary healthcare, healthcare availability, East Kalimantan.