

ANALYSIS OF LODGING DISTRIBUTION STUDENTS AT MAIN CAMPUS OF UNIVERSITAS NEGERI PADANG

*Akbar Ramanda, Dhanu Sekarjati, Qotrin Nada, Intan Cahaya Iman, Siti Aisyah A Hutagalung, Ainul Karim, Muhammad Rifqi Herlambang, Arsyad, MuhammadIrsyad F, Arga Susilo, Nori Aldo, Yanggi Hariatman, Khairul Zikri, MuhammadFajri Azhari, Ade Mashuri Chandra, Arief Hamzi SY, Dwi Fitriandhini, FahenDayanda, Gilang Ramadan, Irma Sapitri, Rina Amelia, Rochmatall Akbar, TariAfriani, Tesya Sonera, Azhari Syarief, Yudi Antomi

Department of Geography, Universitas Negeri Padang

*Corresponding Author: akbarramanda99@gmail.com

Abstract: *This study aims to determine the distribution of boarding and lodging for students at Universitas Negeri Padang. The research method using descriptive quantitative. The data collection technique used Random Sampling, namely by distributing questionnaires to students by online. The data used are primary data in the form of coordinates for the location of boarding houses, prices and available facilities and secondary data in the form of administrative maps of Padang City. The results of this study obtained student boarding and lodging locations based on location, price and facilities presented in the form of maps and webGIS using Geographic Information Systems. In addition, it is known that on average, Universitas Negeri Padang students choose boarding houses with moderate price classifications ranging from Rp. 250,000-Rp. 400,000 and most are spread around Cendrawasih Street.*

Keywords: *Boarding House; Facility; Price*

I. INTRODUCTION

Universitas Negeri Padang (UNP) is one of the State Universities located in Padang City, West Sumatra Province. The quota for student admissions is always increasing every year. The increase in the quota of accepted students can certainly increase the need for student infrastructure and facilities both within the campus area and outside the campus, including increasing the need for student housing (Umar & Dewata., 2017, Umar., 2017, Wu et al., 2021 and Umar., 2021). The boarding house is a simple residence used by the people for temporary residence whose payment system is carried out every month, six months or per year depending on the wishes of the boarding house owner (Sai & Arafah, 2016 and Umar & Dewata, 2017).

Information related to boarding houses and limited lodging is a problem for students because the information obtained at this time is only in the form of pamphlets pasted on the side of the road and in front of the boarding house or information from the students' friends (Umar et al., 2017, Umar et al., 2018, Umar et al., 2019 and Rivera et al., 2021). Information about boarding houses and lodging is very important and needed every entering the new school year where many students from various regions come to Padang City to continue their education to college. So that a boarding and lodging information system is needed to show students the location, facilities, along with the price of boarding and lodging offered so that students are not wrong in choosing boarding houses that are in accordance with their main desires (Maharani, 2017 and Umar et al, 2017). Each boarding house has different facilities, price is one of the considerations to determine the ideal boarding house. The majority who occupy the boarding house are students who come from outside the region (Triansah et al., 2016 and Umar., 2021).

Geographic Information System (GIS) is a computer-based system that is used to store and manipulate geographic information (Umar et al., 2019 and Yang et al., 2020). Geographic information system is a technology for managing, analyzing and disseminating geographic information related to spatial layout and related information (Umar et al., 2018 and Chauhan et al., 2020). Considerations in determining the ideal boarding house in addition to the facilities and the price of the boarding house, the distance from the campus is also one of the considerations in determining the ideal boarding house (Mi et al., 2011 and Umar & Dewata 2018). Therefore, a mapping of the distribution of boarding houses and accommodations for Universitas Negeri Padang students was carried out based on facilities and prices using a geographic information system.

II. RESEARCH METHOD

The method used in this research is descriptive quantitative using primary data and secondary data, data collection technique is Random Sampling by

distributing questionnaires to UNP students through Google Form and through direct observation in the field then data is processed using Microsoft Excel to determine price categories and using software. ArcGIS 10.3 to create a map of the distribution of boarding and lodging.

The data that has been collected is then entered or collected into Microsoft Excel Software. The analysis used in this research is buffer analysis using ArcGIS software. The process is carried out from data collection to making a map of the distribution of boarding houses and lodging around the UNP campus.

III. RESULT AND DISCUSSION

Distribution of Boarding and Lodging

Based on the results of surveys and observations that have been carried out, the distribution of boarding houses and lodging for participants involved in the study is as follows.

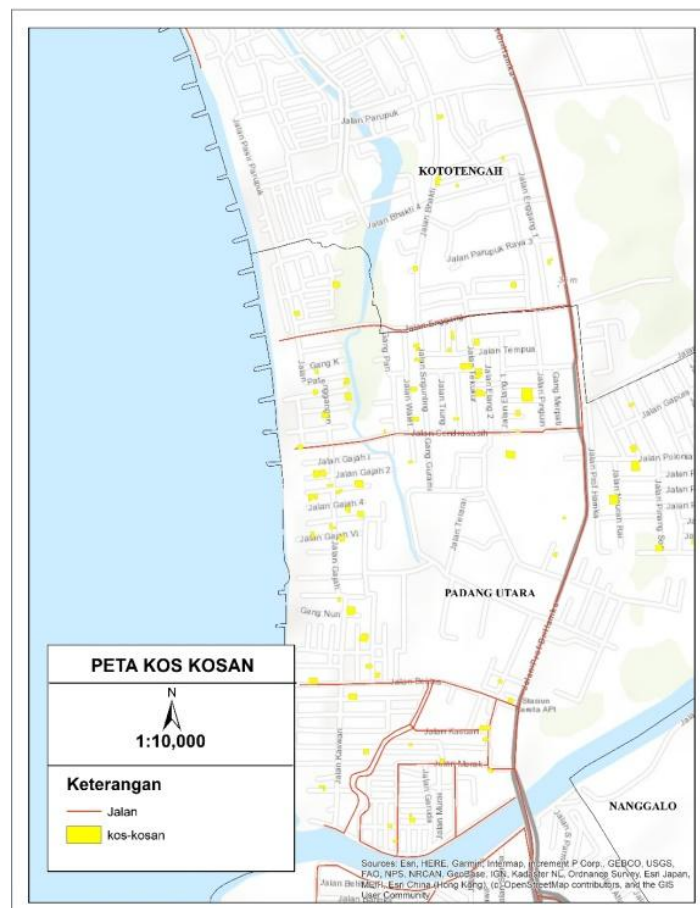


Figure 1. Map of the distribution of boarding houses and lodging

1. Classification of boarding houses based on price

Based on the results of surveys and observations that have been made the average cost of boarding and lodging of the participants involved in this study. The price classes used in this boarding and lodging classification are: In the analysis process, 3 classifications of boarding house rental prices are made:

- a. High : >Rp.400,000/person
- b. Medium : Rp.250,000–Rp.400,000
- c. Low : <Rp.250,000

The results obtained are

Table 1. Classification of UNP Student Boards

No	Classification of boarding houses	Amount
1	expensive	7
2	medium	39
3	low	4
Number of Participants		50

Source: Analysis, 2020

From the data displayed in the form of a map, it is known that on average UNP students choose boarding houses with moderate price classifications ranging from Rp.250,000-Rp.400,000 and most of them are scattered around the Cendrawasih road/gajah road.

2. Classification of boarding houses by facilities

Based on the results of surveys and observations that have been made, the average prices for boarding and lodging of participants involved in the study are as follows.

No	Categories	Facilities	Distance
1	Expensive	Wifi, Bathroom, Mattress, Gas Stove, Refrigerator, Parking	Near Campus Area
2	Medium	Wifi, Bathroom, Mattress	quite close to the campus area
3	Low	Bathroom, Mattress	A bit far from campus area

Source: Analysis, 2020

From these data, it is known that the facilities offered by boarding houses and inns are the more complete the facilities, the more expensive the rental price and the closer the distance to the campus area is, the more expensive the rental price. It is also known that most UNP students prioritize rent and distance over facilities.

IV. CONCLUSIONS

The distribution of boarding houses and lodging for UNP students is more dominant around Cendrawasih street and Gajah street. UNP students prioritize the distance between boarding houses and inns to the campus as well as rental prices in choosing boarding houses and lodging. Facilities for boarding and lodging for UNP students vary. If in a boarding house or inn there are complete and adequate facilities for students, the rental price will be more expensive. The more complete the facilities offered, the more expensive the rental price.

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