

ANALYSIS OF DEVELOPMENT OF SETTLEMENT AREAS IN THE 2010-2020 PERIOD IN BLAMBANGAN UMPU, WAY KANAN REGENCY, LAMPUNG PROVINCE



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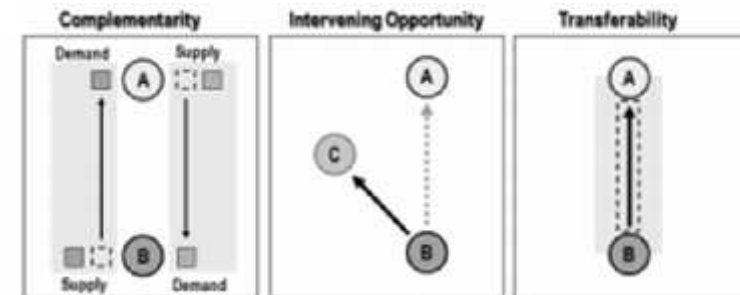
Abstract. The change in land use is influenced by the increasing population in a particular area, the essence is that people need a place to live to settle so that there is a land change in the area. Land use in each area is a form of fulfillment of the needs for the community, especially land use for settlements. Land use changes for settlements may occur in certain areas such as Blambangan Umpu Sub-District, Way Kanan Regency of Lampung Province. Meanwhile, the purpose of this study is to analyze the development of residential areas in Blambangan Umpu Sub-District, Way Kanan Regency, Lampung Province in the period 2010-2020. The method used in this study is a descriptive method with a qualitative approach. Data collection techniques include field observation, literature studies, and documentation studies. Analysis techniques used with descriptive analysis. The results of this study show that there was a change in land use for residential land in Blambangan Umpu sub-district from maps analyzed by researchers in 2010, 2015, 2017, and 2020. The distribution of settlements from the analysis results leads to the northern and southern parts of Blambangan Umpu Sub-District, Way Kanan Regency, Lampung Province within 10 Years.

Keywords: Land Change, Settlement, Region

INTRODUCTION



The territory can be interpreted as a unitary system consisting of parts that have interconnectedness, dependency and interact with each other and are inseparable (Rustiadi et al., 201; Murtadho et al., 2018). According to Ullman (1980), there are 3 factors that affect inter-region interaction, namely: 1) Complementarity, i.e. inter-region interactions influenced by complementary regions; 2) Intervening Opportunity, which is a factor that inhibits interaction between regions, so that other regions must be filled to meet their needs; 3) Transferability, i.e. the ease of transfer or transfer in space.



The growth of a region at this time shows rapid progress over time in line with the increasing population and the increasing volume of development activities in various sectors. This leads to a decrease in vacant land in a region, and an increasing need for space for housing (Fadilla, et al., 2017). Until the end of a land change in a particular area. The change in land use is due to the increase in the population, especially in each urban area is a form of efforts to fulfill basic needs for the community, and not only as a settlement, but also as a place to provide the necessary facilities for the government, as centers of trade, industry, settlement, and other facilities development. So that agricultural areas become the main target in meeting the needs for residential residents who will live and work in the area.

The development of settlements analyzed related formulations can be in the form of space based analysis, time based analysis, and time space based analysis (Jonah, 2000). In space based analysis, a phenomenon is analyzed based on differences in space at the same time, time based analysis is analyzing a geosphere phenomenon in the same space at different times, while time space based analysis is a geosphere phenomenon analyzed based on differences in space and time (Fajeri, et al., 2017). This happened in one of Lampung provinces, namely the Capital of Way Kanan Regency, especially blambangan umpu sub-district.



Changes in land use due to the increase in the population, especially in each urban area are a form of efforts to fulfill basic needs for the community, and not only as settlements, but also as a place to provider the necessary facilities for the government, as centers of trade, industry, settlements, and other facilities development. So that agricultural areas become the main target in meeting the needs for residential residents who will live and work in the area (Rani, et al., 2018). Similarly, Blambangan Umpu sub-district, which has undergone land changes in recent years. The purpose of this study is to analyze the development of residential areas in Blambangan Umpu Sub-District, Way Kanan Regency, Lampung Province in the period 2010-2020.



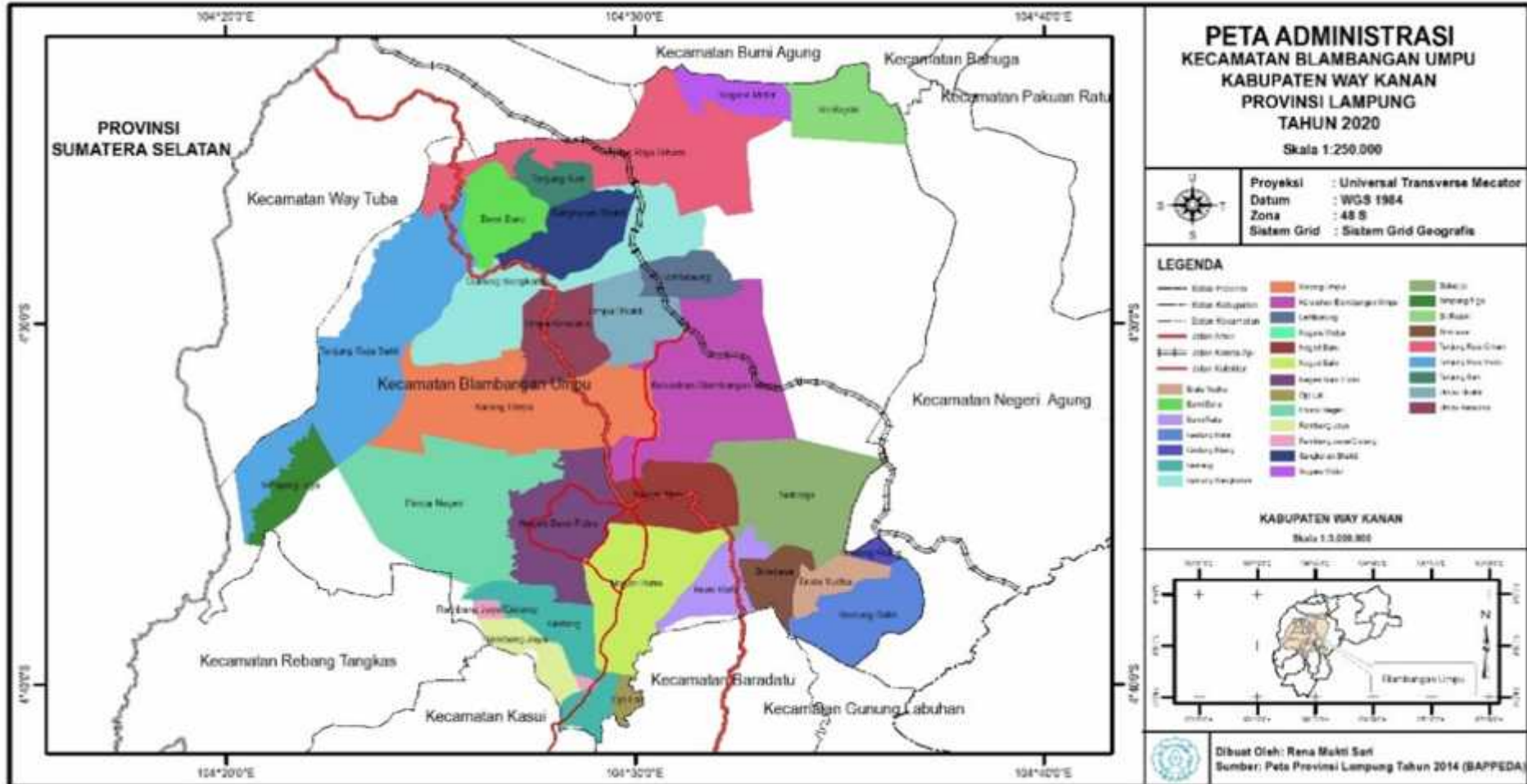
METHOD



The method used in this study is a descriptive method with a qualitative approach. Creswell defines descriptive research as "Qualitative research is descriptive in that the researcher is interested in process, meaning, and understanding gained through words or pictures" (Creswell, 1994). The research in this definition is that researchers should be interested in processes, definitions and understandings that are then spelled out in the form of words and images. In the study analyzed several maps of land changes, especially in Blambangan Umpu, Lampung Province for the past 10 years. Analysis of land use changes using temporal spatial data is very useful, especially to know the locations where land use changes occur (As-Syakur et al. 2010; Nuraeni et al., 2017).

The location in this study is in Blambangan Umpu sub-district is one part of North Lampung Regency which in 1999 entered into the new district of Way Kanan Regency with a population of 62,821 people, with a total household of 16,070 with an area of 69,653 Ha in 2017.

BLAMBANGAN UMPU DISTRICT ADMINISTRATION MAP FOR 2020



RESULTS AND DISCUSSION



The results of this study are a map of land use focused on the distribution of settlements in Blambangan Umpu Sub-District, Way Kanan Regency, Lampung Province within 10 years with map specifications in 2010, 2015, 2017 and 2020 as follows:

1) Land Use Map of Blambangan Umpu Sub-District in 2010

The land use of Blambangan umpu sub-district in 2010 can be interpreted based on Figure 3 revealing that the pattern of settlements forming along the way. This year is still low for the change of vacant land into residential land. The dominant settlement pattern is seen in the northern part of Blambangan Umpu sub-district and there are several patterns of settlements seen in the southern part extending in the direction of the existing road. The pattern of settlements in the northern part of the community tends to settle on dry land, to be used in farming such as corn, rice, cassava, and so on to meet daily needs.

2) Land Use Map of Blambangan Umpu Sub-District 2015

The land use of Blambangan umpu sub-district in 2015 can be interpreted based on Figure 4 revealing that the pattern of settlements is increasingly widespread on dry land for agricultural land, supported by the proximity of settlements with accession of existing roads, so that the expansion of settlements occurs in the area.

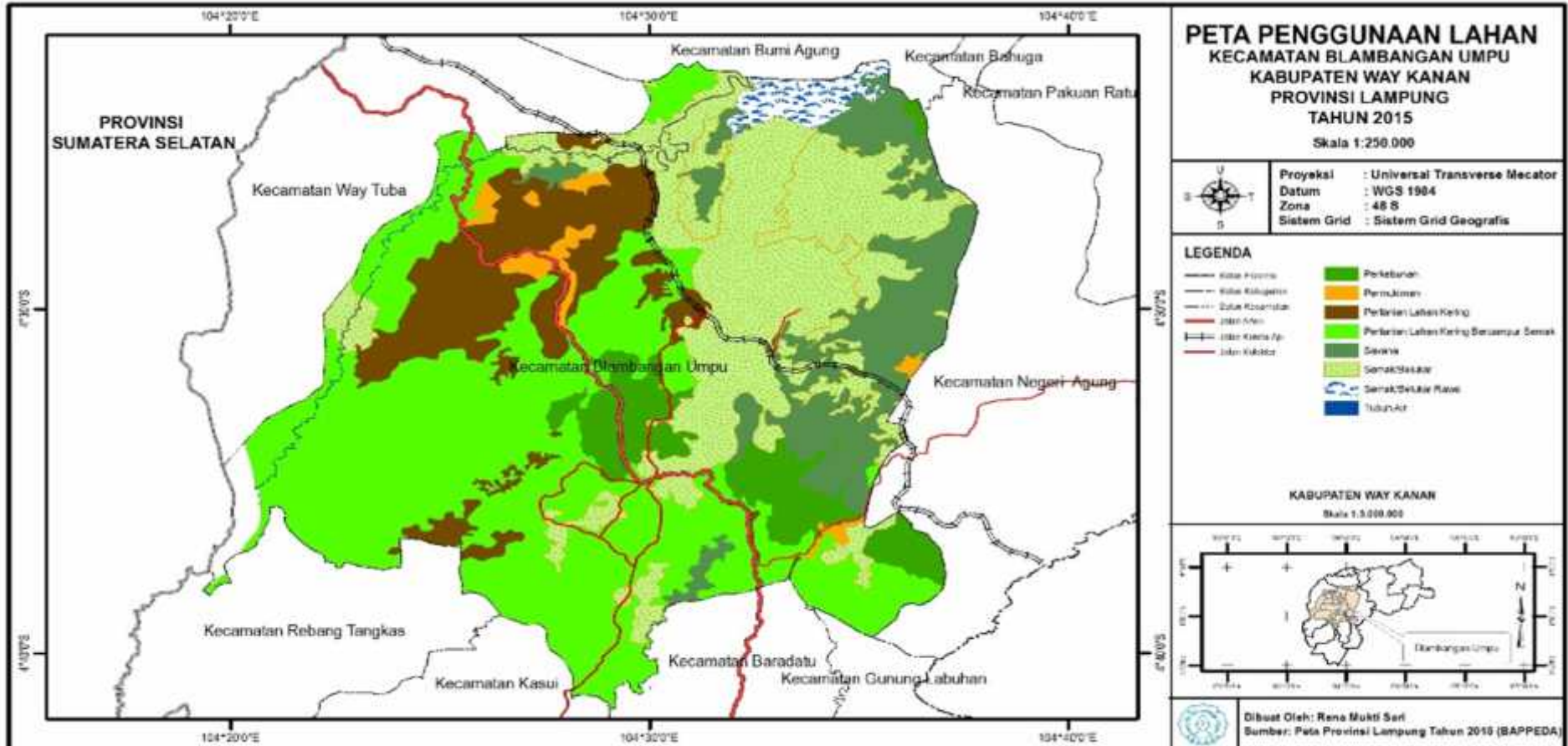
3) Blambangan Umpu District Land Use Map 2017

The land use of Blambangan umpu sub-district in 2017 can be interpreted based on Figure 5 revealing that the pattern of settlements is increasingly widespread on dry land for agricultural land, settlement development occurs in remote areas with accessibilities of roads but still within the scope of dry land for agriculture. This is due to the increasing population so that the community manages the dry land of agriculture into residential land to get a place to live and at the same time to manage the land into dry farmland to fulfill daily life.

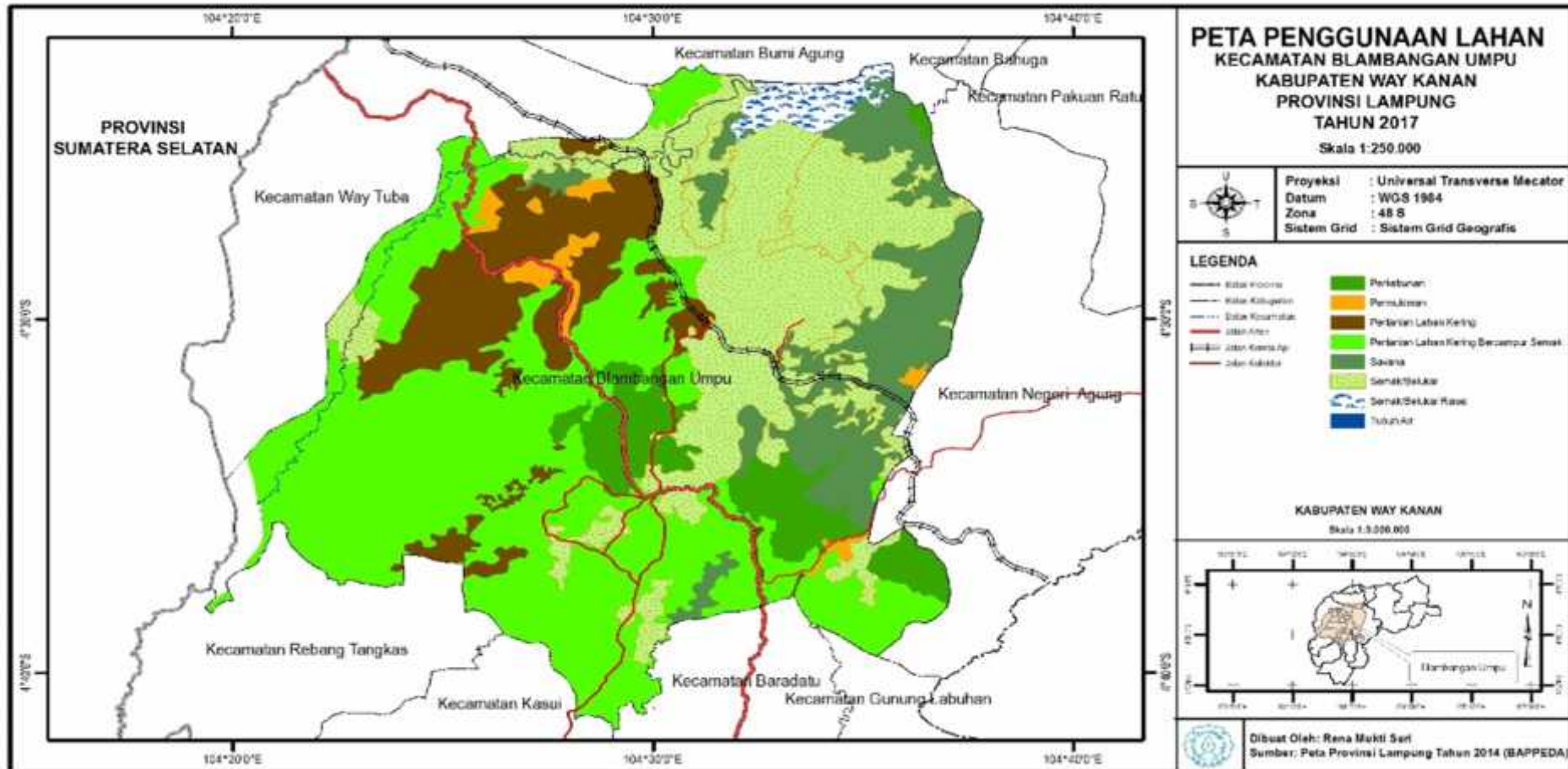
4) Blambangan Umpu District Land Use Map 2020

The land use of Blambangan umpu sub-district in 2020 can be interpreted based on Figure 6 revealing that the pattern of settlements is increasingly widespread on dry land for agricultural land, the development of the area has already expanded in the northern savanna area of Blambangan Umpu sub-district. The development of the area is also increasingly visible in the southern part along the road that is on the border of Blambangan Umpu sub-district with Baradatu sub-district. According to Lee (Jonah, 2005) there are 6 factors that influence the development of urban space into the suburbs.

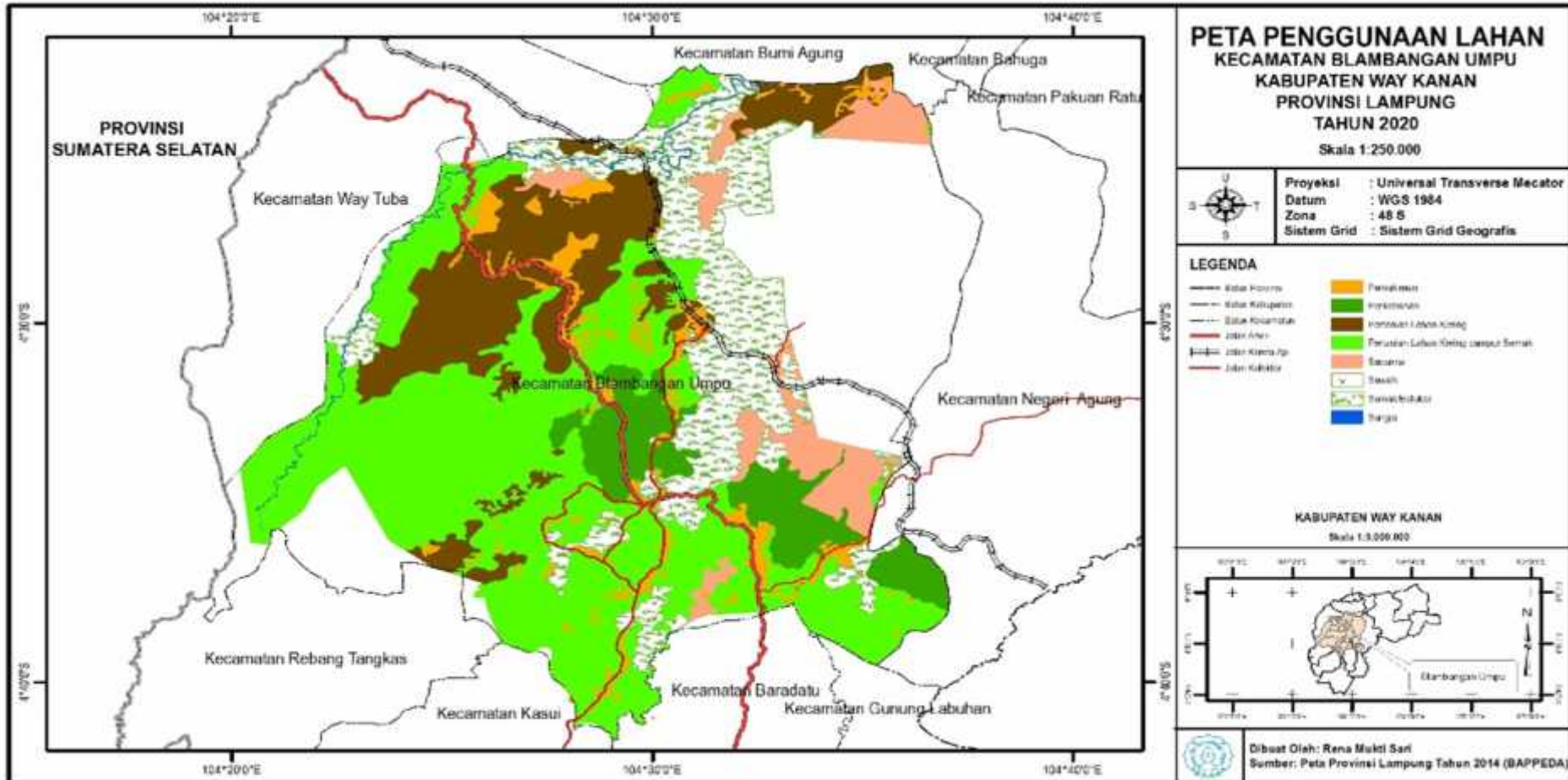
2) Blambangan Umpu District Land Use Map 2015



3) Blambangan Umpu District Land Use Map 2017



4) Blambangan Umpu District Land Use Map 2020



According to Lee (Jonah, 2005) there are 6 factors that influence the development of urban space into the suburbs. Those six factors are

- Accessibility Factors
- Public Service Factors
- Land Characteristics
- Characteristics of landowners
- Regulations on land use
- Developer Initiatives

The value of affordable land by developers is utilized to build residential areas equipped with supporting facilities and infrastructure. This led to the development of urban space towards the suburbs.

Meanwhile, when viewed from the criteria that affect the selection of residence, according to Catanese (1992) the main are:

- Law and the environment, Facilities,
- Technical factors,
- Location
- Aesthetics,
- Society,
- Service facilities and
- Cost,

Thus, land use changes that occurred in Blambangan Umpu Sub-District in 2010, 2015, 2017, and 2020 led to the northern and southern parts of Blambangan Umpu Sub-District, Way Kanan Regency, Lampung Province within 10 Years.

CONCLUSION



The change in settlements occurred due to several factors that can be influenced such as Accessibility Factor, Public Services Factor, Land Characteristics, Land Owners Characteristics, Regulatory Measures, and Developer Initiatives, in the change of land into residential land in Blambangan Umpu sub-district is more dominant due to the accessibility factor in the form of settlement patterns along the way and the characteristic factors of dry land to grow on dry farms such as dry farms corn, rice, cassava and others to meet the daily needs of the community. The change in residential land appears to have led to the northern and southern parts of Blambangan Umpu sub-district during 2010 to 2020.



REFERENCES



- Central Bureau of Statistics Blambangan Umpu District 2018
- Blair, J.P. 1991. Urban and Regional Economics. Richard D. Irwin, Inc. Boston
- Banowati, Eva. 2006. Geography of Settlements. Semarang: Semarang State University.
- Branch, A. E. 1988. Economics of Shipping Practice and Management. York.
- Fadilla, Lydia, et al. "Analysis of The Direction and Prediction of Physical Distribution of Semarang City Area 2029 Using Geographic Information System and Ca Markov Model." Journal of Geodesy Undip, vol. 6, no. 4, 2017, pp. 517-525.
- Fajeri, Dedigun B., et al. "Analysis of Settlement Development and Land Value Change (Case Study: Kec. Banyumanik Semarang City of Central Java)." Journal of Geodesy Undip, vol. 6, no. 1, 2017, pp. 179-188.
- John W. Creswell, Research Design: Qualitative and Quantitative Approaches (California: SAGE Publications, Inc., 1994), p. 100. 162.
- Malingreau, J.P. 1997. Land Use Pedesaan Image Interpretation For Inventory and Analysis. Yogyakarta: PUSPICS. Ugm.
- Murtadho, A., Wulandari, S., Wahid, M., & Rustiadi, E. (2018). Regional Development and Land Cover Changes in Purwakarta Regency as a result of the Jakarta-Bandung Conurbation Process. Journal of Regional and Rural Development Planning, 2(2), 195-208.
- Nuraeni, R., Sitorus, S. R. P., & Panuju, D. R. (2017). Analysis of land use changes and regional land use directives in Bandung Regency. Land and Land Bulletin, 1(1), 79-85
- Rani, S. R., Sugiyanta, I. G., & Sudarmi, S. (2018). Analysis of The Development of Residential Areas in Pringsewu Sub-District of Pringsewu Regency in 2010-2017. Journal of Geographic Research, 6(6).
- Rodrigue, Jean-Paul (2006). The Geography of Transport Systems. New York: Routledge.
- Saputra, Malindo A., and Rini Rachmawati. "Development of Industrial And Residential Areas in Batam City Year 1997-2007." Jurnal Bumi Indonesia, vol. 4, no. 1, 2015.
- Sitorus, S. R. P., Leonataris, C., & Panuju, D. R. (2012). Analysis of Land Use Change Patterns and Regional Development in Bekasi City, West Java Province. Journal of Land and Environmental Sciences, 14(1), 21-28.
- Law No.1 of 2011 on Housing and Housing
- Ullman, Edward (1980). Geography As Spatial Interaction. Washington: University of Washington Press.
- Jonah, Hadi Sabari. 1987. Geography of Settlements And Some City Settlement Problems. Yogyakarta : Faculty of Geography, Gadjah Mada University.
- Jonah, Hadi Sabari. 2000. City Spatial Structure. Yogyakarta : Student Library.
- Zhou, Y., Huang, X., Chen, Y., Zhong, T., Xu, G., He, J., & Meng, H. (2017). The effect of land use planning (2006–2020) on construction land growth in China. Cities, 68, 37-47