

Participatory Thematic Mapping for Integrated Rural Facilities Improvements (Case Study: Linggar Village, Rancaekek Subdistrict, Bandung Regency, West Java, Indonesia)

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SUMMARY

Participatory thematic mapping is the same as mapping in general. The difference is the people who do mapping. Participatory mapping involves many community members, because they have local knowledge about their location. Another difference is the theme. Theme for participatory mapping is more specific and local. For example: boundary of land/ village, location of clean water sources, sewage networks, electrical networks, communication networks, village roads, sanitation facilities, green open space, and many themes which can be chosen by community themselves. So, participatory thematic mapping can make community aware about spatial condition and capacity of their area. In this research, thematic participatory mapping is done in rural area, precisely in Linggar Village, Rancaekek Subdistrict, Bandung Regency, West Java, Indonesia. The reason behind this location is because Rancaekek Subdistrict is known for being flooded and waste-producing area. Flood and waste can make village facilities damaged and the facilities need inventory and classification for their treatment. Over participatory thematic mapping, the mapping team from university work with community in Linggar Village for collecting data about rural facilities. Community in Linggar Village can show the condition of their facilities to mapping team or some community member in Linggar Village can fill the questionnaire about facilities condition. After collecting data, the mapping team make thematic map that contains roads, general facilities, green open spaces, sewage networks and village boundary. Then, the map is classified based on condition of facilities. If the facility is in good condition, then the color is green, average condition is yellow, and bad condition is red. The final thematic map will be handed to head of village in order to do some integrated facilities improvement based on final map.