ANALYSIS OF INTERNET NETWORK MAPPING IN THE OUTER, UNDERDEVELOPED, AND FARTHEST VILLAGES

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Abstract
Communities in the 3T area have difficulty getting network services, which in the current era have become a basic need in various sectors for digital systems. Blank spots are often the main cause because geographical conditions are the main factor for the lack of signal in a place. Not infrequently, the more difficult the terrain and geographical conditions, the communication signal is completely lost. In planning network requirements, it is necessary to simulate the initial access point of a microwave propagation by determining the coordinates, planning, determining the height of the tower, both the line of sight (LOS) and the fresnel zone from the access point (site A) to the station (site B) to network needs. This study aims to simulate and analyze link budget estimates and line of sight systems for microwave radio needs for blank spot areas in the outermost, underdeveloped, and farthest villages. The contribution in utilizing this research is not only to find out the design of a microwave radio link and also for regulators to make technical regulations related to planning a microwave link so that the Mangge community can enjoy network needs which in this era are a basic need in all conveniences for community needs.
Keywords: Internet network, Access point, Outer areas, Demographics, Blank spot

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