

aplikasi sistem informasi geografis untuk optimalisasi letak BTS telkomFlexi (studi kasus : Bandung)

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20428517&lokasi=lokal>

Abstrak

with the rapid growth of communication technology, PT. TELKOM as one of the telecommunication companies in Indonesia provides new services based on CDMA branded TELKOMFlexi. in Bandung, TELKOMFlexi has been launched since November last year. as a new services, PT. TELKOM is trying to reach its customer by built BTS oriented to customer penetration and coverage. in order to give the optimal services to customer, BTS location is hoped can solve geography problem and efficiency level. geographical informayion system (GIS) is an appropriate solution to make decision in determining the optimal BTS location. to get optimal BTS location, it is need to analyze spread, potential grid content with demand spread, and proper analysis using proper parameter that is NPV (net present value) where BTS and customer became the prime component. that analysis is needed so BTS can be placed at the optimal location which can give profit not only for customer but also PT. TELKOM. the system designed in this research geographical information system simulated to determine the optimal BTS location. the needed values can change depend on decision taking condition.