

## **ABSTRACT**

*Areas with less telecommunications infrastructure often face significant challenges in accessing reliable and efficient communication services. This final project discusses the development of communication solutions based on alternative technologies for regions with less infrastructure. The research explores the application of DTN (Delay Tolerant Network) technology as a method to provide connectivity in such areas.*

*The methodology includes the analysis, design of communication systems, and performance testing of the system in simulated low-infrastructure environments. The results show that the proposed solution can significantly improve communication accessibility at an efficient cost. These findings contribute significantly to supporting the development of telecommunications infrastructure in remote areas and serve as a foundation for further technological innovations in the future.*

**Keywords:** *DTN (Delay Tolerant Network), Less Infrastructure, Communication*