

## **ABSTRACT**

One of the tasks of DISKOMINFO Bandung City is to validate telecommunications towers located in Bandung City. But DISKOMINFO is still having difficulty identifying telecommunications towers in the city of Bandung. Due to this problem, an RFID is needed which functions to identify telecommunications towers.

From the title I raised, it is focused on the removal of Telecommunication Towers in the West Bandung area, especially in Sukajadi District. The aim of detecting telecommunications towers using active RFID is to make it easier for companies to identify telecommunications towers and to find out telecommunications tower data quickly and more efficiently as well as to identify towers that have not been identified legally and illegally.

The results of this planning DISKOMINFO Bandung City can increase operational efficiency, can access data quickly, better maintenance, better asset management, increase productivity and services as well as legal compliance. The results of the RFID tests can be detected well by the RFID reader at a distance of less than 50 meters.

**Keywords:** RFID, Telecommunication Towers, Bandung City Diskominfo