

## **Abstract**

With the development of technology and the increasing human need for multimediantworks are needed that can provide those needs, Wimax networks are here toprovide a reasonable cost with a sufficiently large bandwidth and wide coveragearea. With wilayah Indonesia which have contours like the highlands, lowlands, beaches, and as it is very suitable to be applied.

On a good wimax scheduling required to provide QoS guarantees to provide a good resource for pengguna.Penerapan Weighted Round Robin algorithm is expected to accommodate all of these algorithms tersebut.penerapan performed on Base Station (BS). In the simulations will be conducted by serving four types of services.

**Keywords:** Weighted Round Robin,Wimax,Scheduling,Uplink,Omnet