

## ABSTRACT

*Wimax are broadband wireless network that implemented based on IEEE Standard 802.16. Wimax has ability to give Quality of service guarantee for many applications. This guarantee applicated in five class of QoS. To fulfill the promises QoS guarantee, so it's need a scheduling algorhytm in wimax. Function of scheduling algorhytm is schedule packet sent based on priority, so when traffic is full, QoS guarantee can fulfilled.*

*Model Simulation was made using NS2 with 802.16 modul tools as simulator in Wimax network. Final result of this final work is a simulatur as asimulate mecanism algorhytm which is a part of metric tosimulated the quality of scheduling algorhytm. 5 scenario which made from 5 QoS class varians. A Simulator made to simulate Weighted Round Robin algorithm in 802.16 modul on NS2.*

**Keywords:** *Wimax, Quality of Service (QoS), Weighted Round Robin Scheduling Algorhytm, QoS Metric, Network Simulator 2 (NS2)*