

LAYANAN TRAFIK rtPS PADA JARINGAN WIMAX

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Abstract

The main advantages of WIMAX compared to other access network technology are wider coverage and its capability in QoS guarantee up to MAC layer. One of QoS guarantee methods is scheduling on bandwidth allocation from different QoS service classes. There are 5 traffic service classes with different characteristic. They are Unsolicited Grant Service (UGS), Real-time Polling Service (rtPS), Extended Realtime Polling Service (ertPS), Non-real time Polling Service (nrtPS) and Best Effort (BE). In this paper, rtPS traffic service class is evaluated on WIMAX network. It evaluates performance of WIMAX if the majority of traffic service classes are rtPS based.

Simulation results show that throughput average when BS traffic load is full, still gain good performance. Beside that, the bigger packet size and the longer frame size, should cause decreasing of throughput average. While on rtPS based of traffic service class, this problem does not affect significantly.

Keywords : WIMAX, rtPS