

## ABSTRACT

The emergence of various media, wireless applications are more widely spread in recent years made a lot of QoS as a solution to wireless problems. In the Final Project is focused on QoS support mechanisms for IEEE 802.11 in ad-hoc wireless network. Initially will be reviewed limit the ability of IEEE 802.11e EDCAF under review based on the most recent channel in the MAC Access sub layer which has received support 802.11e QoS. Will then be reviewed new scheme [5] which can update the deficiencies previously scheme Adaptive Fair EDCAF. Skema Adaptive Fair EDCAF backoff function in skema delay threshold adaptively based on their respective priorities, in detail can be seen from chapter II of the book of this Final Project, skema done by comparing the test parameters into objectivitas in this analysis. At the end of the analysis indicated that the scheme is able to handle struggles Fair Adaptive data rate when all the priority is on, Adaptive Fair EDCAF scheme to meet technical Differentiated Service, which is where this technique will mark packets that will pass through the network with a particular priority, so each packet will be served in accordance with priority level, the higher the priority the better the service also.

Keyword: *wireless, EDCAF, PCF, DCF, Adaptive Fair EDCAF.*