

## ***ABSTRACT***

*The Internet of Things (IoT) is become to a hot topic, whether it platforms, devices, and anything else related to IoT. IoT is a system whereby all electronic, all devices, all medical devices, all industrial machinery, automotive are connected into one unit using Internet network based on Internet Protocol (IP).*

*In this final project proposal, an implementation of link aggregation method on operational server based on IoT platform will be implemented. Implementation of link aggregation method to combine multiple physical links into 1 single virtual link (logic) between the operational server and many end users so that requests from end users can respond quickly.*

*The result of implementation using link aggregation method with balance-rr mode is an IoT platform system capable of handling large bandwidth proved with the value of bandwidth increase of 52,72%, increase of throughput value equal to 84,481%, increase of response time value 72,840%, increase of availability value equal to 0, 16% and also successfully 100% connected to the sensor after testing compared without using link aggregation method.*

***Keywords:*** *IoT, IoT platform, operational server, link aggregation*