V. CONCLUSIONS AND SUGGESTION

5.1 Conclusions

Based on research that has been carried out regarding the growth of singgalang cabbage on hydroponic media with the substitution of the use of inorganic fertilizers using liquid biofertilizer from fermented kirinyuh maggot frass (LBFKMF), the following conclusions were obtained:

1. The LBFKMF is able to substitute the use of AB Mix in increasing the growth of singgalang cabbage hydroponically.
2. The combination of LBFKMF 25% : AB Mix 75% gave better result compared to other treatments in substituting the use of AB Mix in increasing the growth of singgalang cabbage hydroponically.
3. The substitution of AB Mix using LBFKMF 25% mostly gave similar results as AB Mix 100% in increasing growth parameters of singgalang cabbage.
4. Symptoms were found in the treatment of tap water and hydroponic media contains high concentration of LBFKMF such as decreasing of developments, stunted of growth, leaf chlorosis and necrosis, which caused by deficiencies of nitrogen and or high content of ammonia.

5.1 Suggestion

Based on the results, for further research, a combination of other sources of nutrients can be used as maggot feed so the potential of maggot frass can be optimum for the growth. Analysis of ammonia content in liquid biofertilizer need to be conducted for future research.