

V. CLOSING

5.1 Conclusions

Based on the research that has been done, the following conclusions are obtained,

1. In isolation MOL found microbial groups such as bacteria, fungi and yeast. Total colonies of bacteria, fungi and yeast are found more in MOL (M4) with the number of bacteria 1.2×10^5 cfu/ml, fungi 9.7×10^4 cfu/ml and yeast 1.9×10^5 cfu/ml.
2. Compost products produced from EM4 and MOL4 have several differences, for the pH value of compost using M4 and EM4 both have a pH of 6, for the M4 compost temperature is 32°C while the EM4 compost temperature is 30°C. The color of M4 compost is brown while the EM4 compost is blackish in color, for the texture of both compost is still rough and there are still ingredients that have not been decomposed, and for odor parameters, both compost have no foul odor.

5.2 Suggestions

Based on the results of the research conducted, it is necessary to identify the bacteria, fungi and yeast found in MOL and EM4, so that they can compare the types of microbes contained in MOL and EM4 so that the information obtained is more complete and detailed.