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(57) Abstract :
 The aim of the project is Rapid composting is the need of the days for reducing the time required for obtaining good quality Compost. A new Technology has been developed to speed up the composting using a consortium of Ligno cellulolytic thermophilic Organisms. Food waste that is put into the trash will decay and produce a foul odor which in turn will invite flies and cause various diseases. Most of the food waste that is processed using the Composting process needs to spend a relatively long time , which is about one to three months. This study aims to accelerate Composting time through the addition of Additive Microorganisms in various quantities. There is a decline in organic carbon content in the soil. In fact, scientists have found out that less organic carbon in soil systems is the main cause of the decline in the response ratio of added chemical fertilizers, which follows the law of diminishing returns, this study was regarded to be successful in accelerating the degradation of food waste into mature and stable compost in just seven days. Using the aerobic process. Composting can take place faster with the help of microorganisms. Microorganisms have an important role in the process of decomposition of food waste. Various types of microorganisms collectively decompose food waste. Microorganisms involved in composting will grow according to temperature Based on this background, a clearer understanding of the number of additive microorganisms that must be added is very important so that the compost maturation can run faster. This study analyzes the fast-composting process.

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