

# **ANALYSIS OF NITROGEN, PHOSPHORUS, POTASSIUM HUMUS IN THE SOIL OF TEMPORARY STORAGE**

**(Study on Market Waste Garbage Trash in the Work Area of the  
Environmental Service Magetan Regency in 2022)**

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## **ABSTRACT**

Garbage is residue of human daily activities, natural processes in solid form. Composting with waste materials in market can prevent environmental damage, can be used as organic fertilizer. The purpose of this study was to analyze of Nitrogen, Phosphorus, Potassium humus in soil of the market waste disposal site the work area of Environmental Service Magetan Regency.

This research is an observational study and according to the time approach of data collection, including cross-sectional research with descriptive analysis to determine Nitrogen, Phosphorus, Potassium in the soil of market waste.

The results showed that nitrogen was ranged 0.73-0.89% an average 0.84%, phosphorus ranged 0.59-1.19% an average 0.54%, Potassium ranged 0.83-1.30% an average 0.87%, temperature ranged 25-29°C, an average 27.4°C, pH ranged 6.8-7.4 an average 7.02, humidity ranged 24.10-69.58% an average 38.53% so that it meets the requirements of SNI 19-7030-2004.

It is recommended in every market waste disposal site to have a compost house with market waste raw materials to accelerate reduction of amount waste in each market waste disposal site, and further research is needed to obtain the best types of natural microbes humus in soil of regional market waste.

*Keywords: Nitrogen, Phosphorus, Potassium*