

# **PEMANFAATAN KOTORAN SAPI DAN LIMBAH DAUN NANAS SEBAGAI KOMPOS BERKUALITAS TINGGI**

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## **RINGKASAN**

Penelitian ini bertujuan untuk mengetahui pemanfaatan kotoran sapi dan limbah daun nanas sebagai kompos berkualitas tinggi. Penelitian dilaksanakan pada bulan Oktober – November 2022 di kandang Politeknik Negeri Lampung serta Laboratorium Peternakan Politeknik Negeri Lampung. Perlakuan yang diberikan P0: kotoran sapi 20kg + sekam 5kg + EM4 3,5ml + (tanpa penambahan daun nanas), P1: kotoran sapi 20kg + sekam 5kg + EM4 3,5ml + daun nanas 0,6%, P2: kotoran sapi 20kg + sekam 5kg + EM4 3,5ml + daun nanas 0,8%, P3: kotoran sapi 20kg + sekam 5kg + EM4 3,5ml + daun nanas 1,0%. Data yang diambil dari penelitian ini meliputi warna, aroma, tekstur, suhu, pH dan kadar air. Data dianalisis secara deskriptif kuantitatif. Berdasarkan penelitian yang telah dilakukan, dapat disimpulkan bahwa penambahan daun nanas menunjukkan pengaruh nyata terhadap parameter pH dan kadar air namun tidak berbeda nyata untuk parameter warna, aroma, tekstur, dan suhu. Hasil penelitian menunjukkan pemanfaatan kotoran sapi dan limbah daun nanas menghasilkan kompos berkualitas tinggi.

kata kunci: kotoran sapi, daun nanas, kompos.

# **UTILIZATION OF COW DUNG AND PINEAPPLE LEAF WASTE AS HIGH QUALITY COMPOST**

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## **ABSTRACT**

This study aims to determine the utilization of cow dung and pineapple leaf waste as high quality compost. The research was conducted in October-November 2022 at the stables of the Lampung State Polytechnic and the Lampung State Polytechnic Animal Husbandry Laboratory. Treatment given by P0: 20kg of cow dung + 5kg of husk + 3,5ml of EM4 + (without adding pineapple leaves), P1: 20kg cow manure + 5kg of huks + 3,5ml of EM4 + 0,6% pineapple leaf, P2: 20kg cow dung + 5kg huks + 3,5ml EM4 + 0,8% pineapple leaf, P3: 20kg cow dung + 5kg huks + 3,5ml EM4 + 1,0% pineapple leat. The data taken from this study included color, aroma, texture, temperature, pH and water content. Data were analyzed descriptive quantitave. Based on the research that has been done, it can be concluded that the addition of pineapple leaves showed a significant effect on the parameters of pH and moisture content, but not significantly different effect for the parametrs of color, aroma, texture, and temperature. The results showed the use of cow dung and pineapple leaf waste produced high quality compost.

keywords: cow dung, pineapple leaves, compost.