

ABSTRACT

WASTE UTILIZATION DRY LEATHER COFFEE AS COMPOST TO ADDED ANIMAL WASTE

By

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This study aims to get kind of animal waste composition for leather coffee composting in order to compatible of SNI standards in shorttime. Each experimental unit consisted of mix leather coffee with animal waste (chicken, goat, and neat) the amount 450 kg composting for 40 days reversed for aeration 10 days. Experiment repeated 3 times and daily temperature, colour, smell, texture was observed 10 days. Ratio of C/N, C-organic compound, N-total, pH, water content was observed in early and end of composting. The best threatment to be observed composition of P and K elements. The result showed leather coffe compost was made by animals waste addition such as from goat for 40 days of composting, C-organic compound 11.72%, N-total 1.93%, C / N ratio 6.07, pH 6.52, Moisture 60, 20%, P2O5 0.29%, 1.49% K2O, black color, distinctive smell the soil, and textured crumb, suitable to SNI standards 19-7030-2004 except water content.

Keyword: Compost, dry leather coffee, animal waste, aeration