



**PENDUGAAN UKURAN KOLONI RAYAP *Macrotermes gilvus* DENGAN
MENGUNAKAN METODE CAPTURE MARK RELEASE RECAPTURE DI
LAPANGAN GOLF SUKARAME BANDAR LAMPUNG**

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ABSTRACT

Macrotermes gilvus Hagen is one of the species of *termites* that builds nests on the ground in the form of humps, live in colonies and relatively wide distribution in Southeast Asia. Sukarame Golf Course is suitable and stable place for *termites* *Macrotermes* habitat. The goal of research is to calculate the population of termites using *Capture Mark Release Recapture* method. *Termites* that have been arrested are marked, and then released back and recaptured in the seventh day. Decision *termite* performed three times. Calculation of termite colonies used the formula of method *Lincoln Peterson* and *Schnabel* method. From the research *Macrotermes* termites are very abundant in Sukarame Golf Course, it is proved by the discovery of 92 nests were spread evenly, especially on the edges Sukarame Golf Course Lampung. By using *Lincoln Peterson's formula*, termite colonies number at the nest with 0.041 m³ is 7,238 colonies. By using the *Schnabel's formula*, termite colonies number at the nest with 0.041 m³ is 6,966 colonies. The differences between the both of formulas are not much different. So, the both of the formulas can be used to determine the density number of the animal population in a particular place.