

**THE EFFECT OF GROWTH OF SEEDS OF SENGON PLANT
(*Paraserianthes falcataria* (L) Nielsen) USING BLOTONG COMPOST**

Moch.Fitroh Fathurrozi^{(1)*}, Ir. Lilik Mastuti, MP²⁾; Rahmawati, Sp., MP⁽³⁾

Program Studi Budidaya Tanaman Perkebunan
Jurusan produksi Pertanian, Politeknik Negeri Jember
Jl. Mastrip PO. Box 164, Jember 68281
Corresponding author: Ojikrosi@gmail.com

ABSTRACT

Sengon is one of the types developed in the development of Industrial Plantation Forests and Community Forests in Indonesia. To develop sengon cultivation, it is necessary to have sufficient quantities of quality seeds. Blotong or fillter cake is sugarcane sap excrement from the process of making sugar. Blotong is a problematic waste for sugar factories and the community because wet blotong gives off a bad smell. Compost blotong is an organic fertilizer made from blotong (sugar factory solid waste). This research was conducted in February - May 2020 at the Jember State Polytechnic Plantation. The experimental design used was a non-factorial randomized block design consisting of 5 treatments, namely (P0) Control: Top Soil, (P1) Blotong Compost + top soil 1:1, (P2) Blotong Compost + top soil 2:1, (P3) Blotong Compost + top soil 3:1, and (P4) Blotong Compost + top soil 4:1. Observational data obtained were tested with the F test (Anova) and if significantly different then the BNJ test was carried out at the 5% level. The results showed that Blotong Compost had a very significant effect on all parameters, namely plant height, number of leaf stalks, stem diameter, fresh weight and dry weight of plants.

Keyword : Sengon, Blotong, Organic