

Efektivitas Pematahan Dormansi dan Komposisi Media Organik Terhadap Pertumbuhan Bibit Sengon (*paracerianthe falcataria* (L) Nielsen ”Effectiveness of Dormancy Breaking and The composition pf the media planting To Growth Seeds Sengon (*Paracerianthefalcataria* (L) Nielsen” Supervised by: Ir. Sri Rahayu, MP and Dr. Rizal, SP, MP

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ABSTRACT

Sengon a plantation forest industry that produces lumber and have benefit for the welfare of society. Sengon, including seeds by the balls hard, then need breaking dormancy the research was carried out in October – January 2017 at the Polytechnic of Jember the research was carried out by using the Random (RBD) factorial of two factors. The first factor consist of 4 level and the second consisting of four standards, that is repeated three times. The first factor is put in plain water with a temperature between 27⁰-28⁰C for 24 hours (P0), seed in the oven with temperature 40⁰ C for 24 hours (P1), seed soaked in hot water (the temperature of 80⁰C) for five minutes (P2), seed soaked in brine H2SO4 80% for 15 minutes (P3). The second factor is the media tree this is the top soil+sand (K0), top soil+sand+manure goat (K1), top soil+sand+manure chicken (K2), top soil+sand+compost (K3). Security board of directors consisting of plants, it drenched the plant, I know dry, plants, the roots, the Diameter of the Bar. The result observations on each side variables are analyzed by using ANOVA to proceed with trials continued DMRT 5%. The results showed that treatment featured dormancy P2 to the influence of a sigificant on the parameters of the plant height and long roots, you know the first quarter gave significant on the parameters of heavy wet plant, but different reality on the parameters of the plant height and weight of dry plants. There are the interactions of the P1K1 of influence to the heavy wet.

Key words:*Sengon, Dormancy breaking ,Planting Media*

