

THE DOSE OF EXPERIMENT OIL PALM BUNCH EMPTY COMPOST TO GROWING OF SEED JARAK PAGAR (*Jatropha curcas*)

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ABSTARCT

Jarak pagar are crops had now of people in other area include Indonesia, is since knowed by Japan. Jarak pagar crop can used as alternative energy source (BBM) and vegetable fuel. Potencial jarak pagar increase as fuel because it countains oil to high namely beetwen 35-48%. Increasing seed production and quality crop jarak pagar to get oil high who needed is seed good quality. Seed good quality before plant to yield, the first time do seedbed and then it moving to polybag and keep as long as 3 month. Efforts can be use to increase jarak pagar seed growing as fertilizer. One of them are giving organic manure namely compost. Compost contains oil palm bunch empty who is solid waste from oil palm factory. Research means to get dose oil palm bunch empty in optimal to growing jarak pagar seed (*Jatropha curcas*). This research is excecuted in green house Agriculture Faculty, Riau University Pekanbaru, started from October 208 until January 2009. This research is conducted experimentally using full random device who consist of 6 treatments and 4 replication so get 24 atterop the treatment such as : K0 = Without compost, K1 = 0 ton of compost/ha, K2 = 10 ton of compost/ha, K3 = 15 ton of compost/ha, K4 = 20 ton of compost/ha, K5 = 25 ton of compost/ha. The parameter which observed are the plant high, the leaves width, the leaves amount, circle stalk, ratio grown rawot and total seed weight. Result of research showing that in creasing oil palm bunch empty compost from dose 5 ton/ha until 20 ton/ha give effect who fact to gowing of jarak pagar seed (high seed, the leaves width, the leaves amount, circle stalk, and total seed weight). The increasing oil palm bunch empty compost until 25 ton/ha not given contribution to be better to growing seed of jarak pagar. According to reseach had doing, so suggettion use oil palm bunch empty compost with dose 20 ton/ha at jarak pagar seeding.

Keyword : Jarak Pagar (*Jatropha curcas*), Oil Palm Bunch Empty Compost