

APPLICATION OF NON ORGANIC FERTILIZER TO INCREASE PRODUCTION AND QUALITY PULUT SEED CORN (*Zea mays ceratina.L*) LOCAL IN WEST NUSA TENGGARA.

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Seed Production Technology

Agricultural Production

Pulut seed corn variety local of West Nusa Tenggara is large variety the planted by farmer with plant wide areal until 246.000 Ha, but this production is low between 2 until 2,5 ton/Ha. The effect of low production because one of nutrion in that place. The Research about aplication of non organic fertilizer to increase production and quality pulut seed corn (*Zea mays ceratina.L*) necessary to see influence the product of aplication research it. The research about aplication of non organic fertilizer to increase production and quality pulut seed corn local in West Nusa Tenggara, need to see influence the product of aplication research. This research use Jember State Polytechnic field, starts from April to August 2016 with Random Block Design (RBD) non factorial use 6 treathment and 4 repetition. The result of research conclude that aplication of non organic fertilizer to increase production and quality pulut seed corn (*Zea mays ceratina.L*) only give a real influence from stalk diameter with parameter 30 APD, 45 APD, and 60 APD with give urea fertilizer 200 kg/Ha, ZA 125 kg/Ha, SP-36 125 kg/Ha and KCl 125 kg/Ha.

Keyword: Fertilizer, Local Corn, RBD non Factorial