The Response of SP-36 Fertilizer Application and Cutting Time to Growth, Production and Quality of Peanut (*Arachis hypogea* L.) Seed Respon Pemberian Pupuk SP-36 dan Waktu Pemangkasan Terhadap Pertumbuhan, Produksi dan Mutu Benih Kacang Tanah (*Arachis hypogea* L.) *Advisor: Hari Prasetyo and Netty Ermawati*

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ABSTRACT

This research heads for knowing the response of SP-36 Fertilizer application and Cutting Time. This Research was held for 4 months, at September until Desember 2015 that is placed on the trial field of State Polytechnic of Jember.This research used Randomized Block Design (RBD) with 2 factors and 3 replications.The first factor is SP-36 fertilizer application that is consisted by 3 levels, 50 kg/ha, 100 kg/ha and 150 kg/ha The second factor is cutting time that is consisted by 4 levels, without cutting (P1), cutting at 7 days after flowering, cutting at 14 days after flowering, and cutting at 21 days after flowering.The result showed that sp-36 fertilizer application (F) gave significant effect (*) to total of branches 50 days after planting.Cutting time (P) gave significant effect (*) to total of branches 50 days after planting, total of pods each plant and weight of dry seed each hectare. Thentotal of branches 70 days after planting, total of seed each pod, total of seed each plant, weight of wet pod each plant, weight of dry pod each plant, weight of dry pod each hectare, weight of dry seed each plant andgermination capacity that gave very significant effect (**).Interaction of two factors gavevery significant effect (**) total of pods each plant, total of seed each plant. And weight of wet pod each plant, weight of dry pod each plant, weight of dry pod each hectare,weight of dry seed each hectare and seed germination capacity, production each plant and the result potential each hectare that gave significant effect (*).