

**PENGARUH LETAK BIJI DALAM BUAH DAN KOMPOSISI MEDIA
TANAM TERHADAP PERTUMBUHAN BIBIT NANGKA
(*Artocarpus heterophyllus* Lamk).**

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Abstract

Plant jackfruit (*Artocarpus heterophyllus* Lamk.) Is one type of horticultural crops. This plant is very much beneficial, but can be consumed in the form of fresh fruit and vegetables can also be used as a hedge plant and plant barriers to erosion in the conservation system. The purpose of research is to determine the location of the seeds in the fruit well in producing jackfruit plant seeds and determine the composition of the media best planting jackfruit seed plant growth. The experiment was conducted in February 2014 through to June 2014 in the gardens of the Faculty of Agriculture Practice UPN "Veteran" Yogyakarta, Wedomartani Village, District Ngemplak, Sleman, Yogyakarta. The experiment is based on a randomized block design Complete (RAKL) two factors, the first factor is the location of the seeds within the fruit (L) consists of three levels, namely L1 = Location of seeds at the base of the fruit, L2 = Location of the seeds in the middle of the fruit, L3 = Location of seeds at the end of the fruit and the second factor is the composition of the planting medium (M) which consists of four levels, namely M0 = ground, M1 = soil: compost (1: 1), M2 = soil: sand (1: 1), M3 = soil: compost: sand (2: 1: 1). Each factor was repeated three times, each combination treatment consisting of 12 plants. Observation parameters include: speed germination (weeks), Power germination (%), stem diameter (mm), plant height (cm), percentage of live seed (%), number of leaves (strands), shoot dry weight (g), dry weight root (g), the plant leaf area (cm²). The data were analyzed using analysis of variance at 5% significance level. To know the real difference between treatments will be tested further using DMRT (Duncan Multiple Range Test) with a 5% significance level. The results showed the location of the center of the seed is the seed lies the best seen from the results of germination speed parameters, stem diameter, plant height, number of leaves and leaf area. The composition of the soil planting medium 2: 1 sand: 1 compost (M3) equally well with the composition of the soil planting medium 1: 1 sand (M1) and 1 soil: 1 compost (M2), but the composition of the soil planting medium 2: 1 sand: 1 compost (M3) is better than the composition of the soil planting medium (M0). There is an interaction between the location and composition of the seeds in the fruit growing media on shoot dry weight parameters, a combination L2M3 heavier than the L1M0 and L1M0.

Keywords: *jackfruit, lies the seeds in the fruit, growing media composition*