

Uji Daya Hasil Dua Calon Varietas Hibrida Oyong (*Luffa acutangula* L.) Dengan Dua Varietas Pembanding (Yield Test of Two Candidate Hybrid Varieties Of Ridge Gourd (*Luffa acutangula* L.) with Two Comparison Varieties)
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ABSTRACT

Ridge gourd is known to have many compounds that are good for health. The many benefits taken from ridge gourd make ridge gourd have the potential to be developed. To obtain high-yielding seeds obtained from a series of plant breeding activities to produce new varieties that have superior properties. This study aims to determine the potential yields possessed by prospective hybrid varieties ridge ground (*Luffa acutangula* L.) compared with comparison varieties. Carried out on the land of research and development of PT. Aditya Sentana Agro Jl. Sarikerto, Jumpat, Ampeldento, Kec. Karang Ploso, Malang, East Java. The research was conducted in October 2021 – Desember 2021. The research design used was a non-factorial Randomized Block Design (RAK) Non-Factorial Group Randomized Design (RAK) with 2 prospective oyong hybrids, namely LF 300 and LF 309 and 2 comparison varieties, namely ESENZA and PRIMA. The data obtained from this study were analyzed by analysis of variance (ANOVA) and to find out the significant differences, a further tests were carried out using the BNJ test with a significant level of 5%. The parameters observed are flowering age, harvest age, fruit length, fruit diameter, weight of cultivation, number of cropping fruits, weight of crop fruit and plant productivity. The results of the power test study of the results of two prospective oyong hybrid varieties (*Luffa acutangula* L.) with two comparative varieties, it can be concluded that in all observation parameters of prospective hybrid varieties LF 300 and LF 309 have no better productivity compared to the two comparison varieties, namely PRIMA and ESENZA.

Key words : hybrid, ridge gourd, yield potention, productivity