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**STUDY OF DOSES OF COW MANURE IN MONOCULTURE AND
INTERCROPPING OF SESAME AND CORN CULTIVATION IN
KARANGLOR, MANYARAN, WONOGIRI**

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Abstract

Problem of sesame and maize cultivation in Indonesia is low productivity. Planting rainfed land in Manyaran District, Wonogiri Regency. The research objective was to determine the effect of organic fertilizer on maize and sesame production by monoculture and intercropping. The study used grumosol soil which was idle for 2 years. Research in March-November 2020 during the Covid-19 pandemic. Complete Randomized Block Design Research with two factors. The first factor, the dose of cow manure consisted of 0 controls, 150, 200 gr. The second factor was the types of crops in the form of maize, sesame and intercropping of sesame and corn. The variables observed were plant height, leaf color, number of branches per plant, number of filled pods per plant, seed weight per plant, number of cobs, weight of corn cobs in monoculture and intercropping. The results showed that the intercropping system was more productive than monoculture.

Keywords: *Corn, Sesame, Cow Manure, Intercropping, Monoculture*