



Effect of Liquid Organic Fertilizer of Cow Manure on Growth and Production of Kangkung Darat (*Ipomea reptans*)

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Abstract: This research aims to determine the effect of liquid organic fertilizer of cow manure at various dosage on the growth and production of *kangkung darat* (*Ipomea reptans*). This research was conducted in Samata Village, District of Somba Opu, Gowa Regency from May until June 2014. This research was arranged according to randomized block design, which consists of 3 replications and 5 treatments i.e.: P0 (0 L ha⁻¹), P1 (8.33 L ha⁻¹), P2 (11,11 L ha⁻¹), P3 (13,89 L ha⁻¹), and P4 (16.66 L ha⁻¹). Parameters was measured are: height of plant, number of leaves, and production. Data was analysed by using analysis of variance followed by LSD test. Result of the research showed that liquid organic fertilizer of cow manure have significant effect on height of plant and number of leaves at 3 and 4 weeks after planting. P2 (11,11 L ha⁻¹) is better than other dosage caused have positive response to using of liquid organic fertilizer of cow manure on growth and yield of *kangkung darat* (*Ipomea reptans*).

Keywords: Liquid organic fertilizer, cow manure, kangkung darat (*Ipomea reptans*).