

Influence of Liquid Organic Fertilizer on The Production and Carrying Capacity of Livestock from Setaria Grass (Setaria splendida)

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Abstract	<p>The traditional market, everyday produces organic waste that could potentially give rise to pollution and disruption of human life. One of utilization that can be developed is to turn it into a liquid organic fertilizer and used in the cultivation of feed. Setaria splendida is a plant feed the forage can be given for all types of livestock. The research was done to get the best dosage of liquid organic fertilizer from traditional market waste. The treatment used is a mixture of liquid organic fertilizer for traditional market waste with water in comparison of 0:0, 1:1, 1:2 and 1:3. A Complete Random Design was used. Each treatment was repeated four times on a swath of size 1 x 1 square meters and data used the fourth defoliation age harvest every defoliation is 35 days. The parameters investigated is fresh forage production and carrying capacity for large and small cattle animals. The results showed the average production levels the range of 0.96375 kg - 1.083 kg per square meter, so it can be to maintain 13.38 - 15.04 head of cows or 53,52 - 60,16 head of goats per acre per year. The best treatment is a liquid organic fertilizer mixed with water comparison at 1:2.</p>
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