

The Effect of The Levels of Liquid Organic Fertilizer from Traditional-Market Waste on The Production and Nutrient Contents of Setaria Grass

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Abstract	<p>Traditional-market waste liquid organic fertilizers can be used to fertilize setaria grass (<i>Setaria splendida</i> Stapf). This research was conducted to get information concerning the best dosage of liquid organic fertilizer utilization. An experimental method using Completely Randomized Design was applied in this study. The treatments were: 6 (six) doses of mixtures of the liquid organic fertilizer : water, of the ratios of 0:0, 1:1, 1:2, 1:3, 1:4, and 1:5, volume by volume, each of which was repeated 4 times. The land area used was 2 m x 1.5 m per plot (experimental unit). The variables measured were the dry matter (DM) concentration, DM production, crude protein (CP), crude fat (CFt), and crude fiber (CFb) contents. The data used were the results of the harvest at second defoliation. The results of the study showed that the doses of water in the fertilizer did not indicate any significant differences on all variables being studied. On the basis of the results, it is suggested that the addition of water into the fertilizer can be applied up to 5 folds the volume of the organic liquid fertilizer in the agronomy management of <i>Setaria</i> grass.</p>
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