

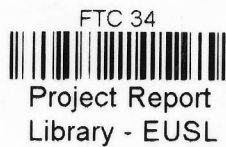
**INFLUENCE OF SEED PRIMING WITH COW URINE
AND COCONUT WATER ON GROWTH AND YIELD
OF SOYBEAN (*Glycine max.L*)**

BY

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ABSTRACT

The experiment was conducted to determine the influence of seed priming with cow urine and coconut water on the growth and yield of soybean (*Glycine max* (L). Soybean seeds (cv. PB-1) were primed with distilled water, 3% cow urine, and 3% coconut water, as priming media and two soaking durations (6 hours and 12 hours). It was laid out in completely randomized design with five replications. Result of variance analysis made clear that different soaking media and soaking duration had significant effect on germination percentage, seedling vigor index, growth parameters and yield data. It was observed that 12 hours priming duration had most effect on studied traits than the control treatment.

From this study, it was found that the seed priming with 3% coconut water for 12 hours significantly increased the growth and yield of *Glycine max*. L. when compared to other plants. Therefore, this technique would be used for soybean seed.

Key words: Soybean, priming, solution, coconut water, cow urine

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