

**EFFECT OF THE STORAGE CONTAINERS ON THE VIABILITY OF
PADDY SEEDS MR 297**

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ABSTRACT

Germination is the process by which a plant grows from the seed. Seed storage is an important aspect of any sound seed program, because type of storage container to stored seeds are important factors for seeds quality and vigorous plant. Inappropriate seed storage affects seed quality. The objectives of this experiment are to study the effect of various storage container on germination of paddy seeds and to investigate the suitable storage container to stored the paddy seeds. In this experiment 200grams of paddy seed MR 297 was stored in six different container which is (T0) gunny bag, (T1) tin container, (T2) plastic container, (T3) polyethene, (T4) jute bag and (T5) paper bag. The parameter used in this study are moisture content (MC) of paddy seeds for every month and germination percentage (GP) of paddy seeds based on germination. The data were analyzed by analyzing of variance (ANOVA) using Minitab program. The research findings shows the treatment 5 (paper bag) is suitable storage to store the paddy seeds, it shows highest germination percentage of paddy seeds and the lowest percentage of moisture content among the other treatment. The result showed polyethene is not suitable to store the paddy seeds, it showed the lowest germination percentage of paddy seeds and highest moisture content among the other treatment.

Keywords: paddy seed, storage container, germination