

ABSTRACT

Utari Widayningrum, 2023, The Effectiveness of Pukcapedia Planting Media on the Growth of Begonia Ornamental Plants (Begonia rex). Advisor I Dr. Cartonno, M.Pd., M.T. with Supervisor II Ida Yuyu Nurul Hizqiyah, S.Pd., M.Si.

Begonia is one of the leaf ornamental plants, which has very beautiful leaves, and has its own charm. For the pukcapedia planting medium, it is a biotechnology agent-based planting medium that uses organic materials in its manufacture, including cocopeat, roasted husks, raw husks, andam, dolomite lime, manure, and liquid fertilizer. This research aims to determine the effectiveness of pukcapedia planting media on the growth of ornamental begonia plants (Begonia rex). This study used a quantitative method with an experimental method with a completely randomized design (CRD), and used the ANOVA test. In this study, 6 treatments were carried out and 4 repetitions, where the most effective growth in stem length was in T1 with a ratio of 1:1 , on the number of leaves the most effective growth was on T1 with a ratio of 1:1, on the width of the leaves the most effective growth was on T2 with a ratio of 1:2, on stem diameter the most effective growth was on T3 with a ratio of 1:3, and on the most effective growth of plant roots is at T5 with a ratio of 1:5. This is because the use of pukcappedia planting media with the addition of roasted husks is much more effective than using soil planting media.

Keywords: Begonia Ornamental Plant (Begonia rex), Pukcapedia Planting Media, Soil Planting Media, roasted husks