

## EFFECT OF DIFFERENT GROWTH NUTRIENTS AND SOIL COMPOSITION ON THE GROWTH OF *EMBLICA OFFICINALIS* GAERTN, A MEDICINAL PLANT

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### ABSTRACT

*Emblca officinalis* Gaertn, a tree growing in subtropical and tropical parts of china, India, Indonesia and the Malay Peninsula, has been used as antidiarrhoeal, astringent, antidyenteric, antiscorbutic, carminative, cooling, stomachic and tonic. Ripe and unripe fruits are useful in urinary problems and are prescribed in anemia, jaundice and dyspepsia in combination with iron. In the present investigation it was aimed to find out the effect of nutrient and different soil conditions on the growth of *Emblca*. For this purpose the plants were grown in the three different soil and sand ratios 80:20 (Sand: Normal Soil) 40:60 (Sand: Normal Soil) Control condition (Normal Soil). After studying different growth parameters it was found that 40:60 soil condition was most suitable for the cultivation of *Emblca*.

**Keywords:** *Emblca officinalis*, cultivation, soil conditions.