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## Early Development of Fig (*Ficus carica* L.) Root and Shoot Using Different Propagation Medium and Cutting Types

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### Abstract

This study aimed at determining the effects of propagation medium and cutting types on the early growth performance of fig (*Ficus carica* L.) root and shoot. The experiment was conducted at the Glasshouse and Nursery Complex (GNC), International Islamic University Malaysia (IIUM). The split-plot design was employed with the main plot (propagation medium) and sub-plot (types of cutting). The propagation medium were sand:topsoil (1:3) (M1), topsoil:peat:sawdust (1:1:1) (M2) and peat:perlite (1:1) (M3). Two types of cutting were semi-hardwood (C1) and hardwood (C2). As a result, there were a significant effect of propagation medium on measured parameters. This study revealed that the most effective propagation medium and cutting types for the propagation of fig were a combination of peat and perlite at 1:1 ratio (M3) and hardwood cutting (C2), respectively as evidenced by significantly higher root and shoot growth quality as compared to other treatments.

### Keywords

**Author Keywords:** [Ficus carica L.](#); [Propogation Medium](#); [Cutting Types](#); [Root](#); [Shoot](#)

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