

Pengaruh jenis media dan konsentrasi zat pengatur tumbuh kinetin terhadap perakaran pada kultur jaringan cendana (*Santalum album* Linn.)

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Abstrak

The objective were to know the base medium, growth regulator concentration of Kinetin, and combination of this treatment that had the best response to rooting phase of Sandalwood. This study was expected to play role in contributing great advantages to support the plant material provision in operational scale.

Generally, the protocol of tissue culture of Sandalwood had been acknowledged, however there were still problems on rooting phase. Therefore the study was focused on 1/2 MS medium application, 1/2 GD, and 1/2 WPM, also application of Kinetin in different levels of concentration (0; 0,25; 0,50; 0,75; and 1 mg/1) on root development in Sandalwood.

Study result concluded that the base medium of 1/2 MS and application of Plant Growth Regulators IBA 20 mg/1 combined with IAA 1 mg/1, and treatment of 0,75 mg/1 Kinetin concentration had the best response to growth and enlargement of Sandalwood root.