IN VITRO PROPAGATION OF *Oryza sativa* (MRIA 1) USING DIFFERENT RATE OF BENZYLAMINOPURINE (BAP) AND NAPHTHALENE ACETIC ACID (NAA) HORMONE

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DECLARATION

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ABSTRACT

IN VITRO PROPAGATION OF *Oryza sativa* (MRIA 1) USING DIFFERENT RATE OF BENZYLAMINOPURINE (BAP) AND NAPHTHALENE ACETIC ACID (NAA) HORMONE

This research was conducted to produce in vitro regeneration of MRIA 1 and the best concentration of BAP and NAA hormone which produce the best shoot and root growth can be determined. The treatment used were 0.0 mg/l of BAP and NAA, 0.25 mg/l BAP + 1.0 mg/l NAA, 0.50 mg/l BAP + 1.50 mg/l NAA, 0.75 mg/l BAP + 1.75 mg/l NAA, 1.00 mg/l BAP + 2.00 mg/l NAA, and 1.50 mg/l BAP + 2.25 mg/l NAA. Based on the research it can be conclude that the best concentration of hormone which produce the best growth of shoot and root is 0.25 mg/l BAP AND 1.00 mg/l NAA.