

ABSTRACT

Among solo plant growth regulators applied on buds on *Bischofia javanica* Blume best results were obtained by Kinetin. Kinetin at 1.5 mg/l showed highest growth after thirty days of inoculation and showed best results as compared to BAP. BAP also showed good growth but after kinetin. At 2 mg/l concentration, BAP showed better results after thirty nine days of inoculation. Results obtained from NAA hormone by different concentrations were not satisfactory. Bud showed very little response at 2.5 mg/l concentration of NAA. Proficient callus growth was also obtained in a medium supplemented with 2.5 mg/l concentration by applying IAA hormone. Four different types of combinations were applied on bud activation and the best results were shown by the combination of BAP at 2 mg/l along with constant concentration of IAA 0.5mg/l, bud showing response in the MS medium after 30 days of inoculation, on the other lesser growth of buds were obtained with kinetin 2 mg/l along with constant concentration of IAA 0.5 mg/l.