

**EFFECTS OF HWT AND IMMERSION TIME
GRANTING ZPT GIBBERELIN TO GROWTH
OF BUDGET CANE SEEDS SET
(*Saccharum Officinarum* L.)**

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This study aims to determine the effect of immersion time of Hwt and Zpt Gibberellin on the growth of the Buds Set Cane (*Saccharum Officinarum* L.). This research was conducted in November 2019 - January 2020 in the Jember State Polytechnic area. This study used a randomized block design (RBD). factorial with the first factor was the duration of HWT immersion and the concentration of gibberellin, there were 15 treatment combinations and 3 replications. The time factor for HWT immersion consists of 5 levels, namely (without immersion, 10 minutes, 20 minutes, 30 minutes, 40 minutes). The concentration factor for giving Gibberellin consists of 3, namely (25 ppm, 50 ppm, 75 ppm). Further testing was carried out by further testing the DMRT (Duncan Multiple Range Test) with a level of 5% The results showed that the immersion duration of HWT was very significantly different in the parameters of germination and number of tillers. The use of gibberellin concentrations gave very significant differences in the parameters of germination, plant height, number of leaves and number of tillers

Keywords: Hot Water Treatment, Gibberellin, bud set