

**THE EFFECT OF NATURAL ZPT CONCENTRATION OF
ONION EXTRACT AND SOAKING TIME ON THE
GROWTH OF SUGAR SUGAR (*Saccharum
officinarum* L) BULULAWANG VARIETY**

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ABSTRACT

This Study Aims To Determine The Effect Of Natural ZPT Concentration Of Onion Extract And Soaking Time On The Growth Of Sugarcane (*Saccharum Officinarum* L) Bululawang Variety. This Research Was Conducted In Sumber Wadung Village, Silo Sub-District From 18 August 2021 To 19 November 2021. This Research Was Conducted Using A Factorial Randomized Block Design (RAK) With Two Factors. The First Factor Uses The Concentration Of Shallot Extract, The Second Factor Uses The Soaking Time Of The Shallot Extract. The First Factor Consists Of 4 Levels, Namely A0 = Kontrol, A1 = 60% Content Of Onion Extract, A2 = 75% Content Of Onion Extract, A3 = Content Of Onion Extract, While The Second Factor Consists Of 3 Levels, Namely B0 = Kontrol, B1 = 15 Minutes Of Immersion Time, B2 = 30 Minutes Of Immersion. The Data Obtained From The Research Results Were Analyzed Using Anova And Then Further Tested Using BNT Level 5%. The Parameters Observed In This Study Were The Percentage Of Survival/Germination Of Plant Height, Diameter, Number Of Leaves, Number Of Tillers, And Root Length. The Results Of This Study Showed That The Combined Effect Of Giving Zpt Of Shallot Extract Had An Effect On The Parameters For Observing The Number Of Leaves At 42 DAP, 56 DAP and 70 DAP and at plant height 42 DAP, and on plant diameter observations at 14 DAP, 42 DAP, AND 70 DAP.

Keywords : Sugarcane Butt Seedlings, Natural ZPT Concentration, Soaking Time