

**ANALYSIS OF STUDENT'S LEARNING DIFFICULTIES ON PLANT
TISSUE TOPIC IN GRADE XI SCIENCE AT SENIOR HIGH
SCHOLS IN KECAMATAN PANYABUNGAN
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ABSTRACT

This descriptive quantitative research was aimed to know the student's learning difficulties, the factors, and the gender differences on cognitive learning outcomes on Plant Tissue Topic. The Population was all student in Grade XI at SMAN Kecamatan Panyabungan (216 students). The sample was taken by purposive sampling (85 students). The result of cognitive tests according to taxonomy bloom from SMAN 2 Plus Panyabungan (24 students), SMAN 3 Panyabungan (32 students), and SMAN 1 Panyabungan Utara (29 students) on knowledge (C1) were 58%, 69%, 76%, on understanding (C2) were 51%, 67%, 78% on applying (C3) were 61%, 65%, 76%, on analyzing (C4) were 53%, 60%, 80%, on synthesise (C5) were 58%, 72%, 79% and creation (C6) were 69%, 49%, 57% it was cathegorized as very high in learning difficulties. The result of first indicator was about the identifcation of tissues in plants were 54%, 66%, 77%, on the second indicator was about the identification of the structure and function of plant tissues were 58%, 66%, 74%. It was cathegorized as very high in learing difficulties. On the third indicator was describing the basic principal of tissue culture were 45%, 50%, 71%. It was cathegorized as high in learning difficulties. On the fourth indicator was comparing the structure of the roots and stems of plants dicots and monocots were 67%, 64%, 75%. It was cathegorized as very high in learning difficulties. The result of internal factors that cause learning difficulties about interest were 87%, 84%, 64%, on intelegency were 68%, 66%, 63%, on motivation were 64%, 63%, 62%, and healthy were 63%, 66%, 55%. It was included as very high cathegory. In External factor, the biggest influence from the schools were 74%, 68%, 62%. It was included to high cathegory. On family were 61%, 54%, 58%, on learning material were 48%, 54%, 58%. It was included as very high category. To calculate the gender differences by using *t-test* was carried out by using significance degree $\alpha = 0,05$ it was obtained that $t_{count} < t_{table}$ ($-0,109 < 1868$), there was no differences of gender in cognitive learning outcomes among male and female in learning Plant Tissue.

Keyword : *student's learning difficulties, cognitive learning outcome, the factor of learning difficulties, gender differences*