ABSTRACT

Rolas Juniati Simanullang, NIM 4163341048 (2016) Analysis of Student's Cognitive Ability and Learning Difficulties in Human Nervous System Material in Class XI MIA Private High School Marisi Medan T. A 2019/2020.

This research was motivated by the results of interviews with teachers who said that student learning outcomes were still below the KKM that the school had determined in Biology lessons on the subject of the Human Nervous System. This study aims to determine the learning difficulties of students in the sub-material of the human nervous system in class XI from cognitive aspects and learning indicators as well as factors causing student learning difficulties in class XI MIA SMA Swasta Marisi Medan for the 2019/2020 academic year. The research design used is descriptive quantitative. Samples were taken by total sampling with a total of 52 students. Data collection techniques using diagnostic tests and questionnaires. The results showed that the percentage of student learning difficulties from the highest to the lowest based on cognitive aspects, namely C6 (60.90%), C5 (56.25%), C4 (52.31%), C3 (50.38%), C2 (43.59%), C1 (40.66%). The percentage of student learning difficulties based on learning indicators on the nervous system material, namely indicator 1 (identifying the structure and function of neurons) is 46.98% very high category, indicator 2 (Identifying the structure and mechanism of delivery of implants in the nervous system) is 48.27% very high, indicator 3 (explaining the structure of central nervous function and peripheral nerves) is 46.37% very high category, indicator 4 (identifying disorders that occur in the nervous system) is 54.33% very high category. Internal and external factors that cause learning difficulties, from the highest to the lowest percent of learning difficulties, are motivation (66.82%), school (63.75%), family (58.02%), interest (57.53%), intelligence (55.04%), psychological (54.33%), media (54.01%), health (48.88%) and subject matter (47.44%).

Keywords: *Cognitive Aspects, Learning Indicators, Learning Difficulties, Learning Outcomes, Human Nervous System*