

Leadership and cooperative learning and its relation towards students' grade achievement in problem-based learning environment

Abstract

The main objective of the paper is to obtain the outcome of relationship between students' perception of peers' leadership skill and cooperative learning with the final grade achievement in a Physics course. An established of problem-based learning (PBL) approach was set in an independent environment of learning process. The study involved students who registered under Physics with Electronics Programme. Data was gathered from an open-ended survey after the students finished with the PBL assessments towards the final week and the grade from their final exam as well. The open-ended surveys allowed the students to give their genuine perception of peers' performance in terms of leadership and cooperation. The analysis data was done using SPSS Version 22 using the Spearman correlation for non-parametric data. The finding of the report showed positive significant correlation between good leadership with higher final grade of exam. However the relation did not surface any significant relations for cooperative learning as students who performed better in exam not necessarily cooperating better in their teamwork.