PENERAPAN PEMBELAJARAN TEMATIK POLUSI CAHAYA
UNTUK MENINGKATKAN HASIL BELAJAR DAN
PENANAMAN KARAKTER SISWA SMP

Abtrak


Kata Kunci : model tematik, new taxonomy of science education.

Abstract

Integrated learning is one of the 2013 development curricula pursuit. Meanwhile, NSTA has recommended that science teachers in the elementary and intermediate schools should have interdiscipliner preferences in science. Based on the preface research at one of the junior high school in Bandung, integrated learning still not applicated. Therefore this study applying integrated learning with webbed model in light pollution theme. It aimed to describe the students achievement based on new taxonomy of science education. Susan Loucks-Horsley (SLH) learning model was used for this implementation which consist of four phases there are invited, explore and discover, purpose explanation and solutions, and the last phase is taking action. This study using mixed methods with concurrent embedded design. The subject is second grade in junior high school in Bandung, Class 8A consist of 27 students. The Instrument that used are 28 questions with multiple choise related light pollution theme for measuring knowing and connecting domain, observation papers for measuring science process skill and creativity domain, and test of moral dilemma for measuring attitudinal domain. The data results based on new taxonomy of science education are; the average normalized gain of knowing and understanding domain reached 0,22 include low category; the average percentage of science process skill domain reached 78,26% with good category; the average percentage of creativity domain reached 72,91% with good category; the average percentage of attitudinal domain is over 75% in moral knowing and moral feeling; and the average percentage of connecting domain reached 71,29%. Based on this results showed that integrated learning with webbed model is able to increasing students achievement and invest positive characters on light pollution theme learning.

Keywords: Susan Loucks-Horsley (SLH) learning model, new taxonomy of science education