# ABSTRAK

Melani Supriatna , 2016. **Based Learning Implementation Practice For Improving Science Process Skills ( KPS ) and Mastery Students In Classroom Concepts Algae X**. Supervisor 1 Prof. Dr. H. Toto Sutarto Gani Utari , M.Pd. and Supervisor 2 Dra . Hj . Lilian Suhaerah , Kes .

The purpose of this study was to determine whether there was a change after the implementation of practical based learning to improve science process skills and mastery of students on the concept of algal class X. This study uses a *pre - experimental* design with one- group *pretest - posttest* . The population in this study were all students of class X SMA Pasundan 2 Cimahi . The sample used in this study is a class X - 1 amounted to 30 people, The research instrument used was a test that measures cognitive ability in the form of 30 multiple choice questions. From the results of this study, the average value of 41.66 *pretest and posttest* average of 81.13 . After doing research on the *pretest - posttest* researchers went to the t test and the test results obtained with significance $t_{hitung} > t_{tabel}$ e , ie $16.21 > 2.68$ . Which means that starting $H_O$ (thank $H_A$ ) that is there is a difference of significance between the value pretest- posttest algae in class X SMA Pasundan 2 cimahi . KPS better learning methods in improving student learning outcomes and stimulate students' enthusiasm for learning . It is proved with the average value between pretest and posttest were increased by the students after learning by using learning methods KPS on Algae material .

Keywords : Science Process Skills ( KPS ) , Improving Learning Outcomes , Algae .