This study aims to improve the learning outcome of students with Problem Based Learning model in subtheme of the benefits of healthy and nutritious foods in the 4th grade of Sindangpanon Elementary School, Bandung. The background of this study is based on the students’ learning outcomes that are still below the Minimum Criteria of Mastery Learning (KKM) because the teacher often use lecture method that tend to make the teaching and learning become monotone. This study used Classroom Action Research and it will take into three cycles, every cycle consists of four steps, such as planning, implementation, observation and reflection. By using Problem Based Learning model that consists of five phases, namely the orientation of the students on the problem, organising the students to study, guide the investigation of individual as well as group, develop and present the result, analyze and evaluate the process of problem solving. The instruments used in this study are observation sheet, test technic like pretest and postest that are distributed before and after learning using Problem Based Learning model. The result of this study showed that there is improvement of the students’ learning outcome and the students’ meticulous attitude. The students’ learning outcome on the first cycle is 42.86%, 62.86% in the second cycle and 88.57% in the third cycle. The students’ meticulous attitude on the first cycle is 48.57%, 62.86% in the second cycle and 85.71% in the third cycle. The conclusion from this study is, the usage of the Problem Based Learning model can improve the students’ learning outcome in the 4th grade of Sindangpanon Elementary School on subtheme of the benefits of healthy and nutritious foods. In that way, the usage of Problem Based Learning model would be use as one of the alternative learning method to be applied on the other teaching and learning activity.

Key word: Problem Based Learning, students’ learning outcome