Learning system at the Faculty of Medicine University of Lampung used Problem Based Learning (PBL), where students learn from problems that often occur in the workplace. Problem Based Learning (PBL) system require students to learn independently. Self-Directed Learning Readiness is a person's readiness to learn independently. This research has a goal to knowing SDLR score difference between the first-year and the third year students of the Faculty of Medicine University of Lampung 2014/2015.

This study uses an analytical study with cross sectional approach in 233 first year students (class of 2014) and 168 third year students (class of 2012) in Medical Faculty in University of Lampung 2014/2015. The instruments that used in this study is a Self-Directed Learning Readiness questionnaire that modified by Zulharman (result of reliability test is 0.90).

The average SDLR score is 136.84 for the first year students and 134.48 for third year students. After statistical tests, the results of this study showed a significant difference between the average SDLR scores of students first year and third year.

Keyword: problem based learning, self-directed learning readiness, medical student, university of lampung