

Brief of Tracer Study Report

In order to assure that expected learning outcomes are in line with the requirements of the stakeholders and to characterize the alumni profile, the stakeholders give feedbacks via tracer study. The stakeholders are employers and alumni. The employer generally requires graduates to have a good professional capability (up to applying and analyzing level), knowledge and skills related to mathematics. This is reflected in learning outcomes of each job profile (e.g., researcher, academician, IT developer, finance, entrepreneur).

ITS have conducted tracer study every year in the last 5 years. Data collection for the implementation of tracer study can be done in 2 ways, namely entry cohort or exit cohort. Cohort is a group of objects that have similar characteristics, such as the same year of entry or graduation, which is part of the research. It is called an entry cohort if the Tracer Study object uses the same entry year. Instead, it is called an exit cohort if you use same graduation data. Tracer studies are generally carried out in a range of 1-3 years from graduation assuming that inside this range, the influence of the educational process still significantly affects the quality of alumni. Besides that, DoMATH ITS have also conducted tracer study via DoMATH website.

The alumni can use the tracer study to give some feedbacks. There are some questions, for example the first salary, the first position, the waiting time to get the first job, relevancy between curriculum and the job, relevancy between learning outcome and the job and evaluation of alumni about their own competency (includes integrity, professionalism, extensiveness of knowledge, managerial, team work, foreign language, communication skill, usage of information technology, self-development, commitment, discipline and creativity).

In general, the quality of graduates is quite satisfactory. The target for waiting time in first job is 6 months or below. Based on the tracer study, the waiting time is 4.35 months, 1.79 months and 2.32 months on 2016, 2017, 2018, respectively. The target for GPA is 3 or above. According to the tracer study, the average GPA is 3.26, 3.31 and 3.24 in 2016, 2017, 2018, respectively. Based on that tracer study results, the students satisfy the minimum GPA target. Additionally, the relevancy between competency and job is 61.41%, the average first salary is 3.93 million rupiahs, 12.50% of the alumni are working on a multi-national company and 52.73% of the alumni are working on a national company.

For employers, there are some questions about the performance of alumni of DoMATH ITS such as integrity, professionalism, extensiveness of knowledge, leadership / managerial, team work, foreign language ability and communication skill.