



Tracer Study of Nutrition Study Program, Universitas Negeri Surabaya in 2023

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Abstract. The Alums Tracer Study of the State University of Surabaya is a survey of alumni that is of strategic importance to the advancement of higher education. A tracer study is conducted to collect information from alumni from the time of graduation until alumni tracing is conducted. The objective of this investigation is to garner data regarding the 2022 Nutrition program graduates. This is quantitative research. A questionnaire devised by the Unesa Student Organization & Alums Development Sub-Directorate is employed to conduct a tracer study. The questionnaire can be completed by alumni at tracerstudy.unesa.ac.id. A total of 8 alums who graduated from the Bachelor of Nutrition study program between January 1 and December 31, 2022, comprised the respondents of this research. The survey results indicated that all alumni completed the tracer study questionnaire. Six alumni from the Bachelor of Nutrition program who completed the survey between January 1 and December 31, 2022 were classified as gold standard (75%). This category encompassed three individuals who were employed for a minimum of six months and earned 1.2 provincial minimum wage, as well as three individuals who were self-employed for a minimum of six months. When the cut-off occurred that year, no alumni continued their education.

Keywords: Tracer study, Alums, Unesa

1 INTRODUCTION

Tracer study is a form of alum survey that has strategic value for the development of higher education. Tracer study is essential for higher education to improve the education system and management [1]. Tracer study plays a vital role in tracking curriculum efficiency as one of the crucial factors in the success of graduates [2]. Specifically, curriculum efficiency refers to the effectiveness of an institute in providing students with the knowledge, skills, and attributes essential for successful employment [3].

Tracer studies can be done annually according to the alum search targets that are already set, namely alums/graduates one and two years after graduation. The tracer study aims to determine whether the content of the curriculum provided is up to date and in line with the demands of the workforce [4]. In addition, the tracer study also aims to learn about educational outcomes in the form of transition from the world of higher education or campus to industry and workforce, recent employment situations, alignment and application of competencies in the workplace. Tracer Study activities are absolutely carried out because they are one of the Main Performance Indicators of

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higher education, namely in the Main Performance Indicators point 1 "graduates get a decent jobs" [2,6].

The results of the Tracer Study can be used as a database of Unesa alums, as well as used as a basis for improving and developing the quality of learning, the development of educational management, the development of teaching and learning facilities and infrastructure to produce graduates, both intellectual, skills/competencies, as well as morals and personalities to be optimally absorbed by the job level. In addition, the results of tracer study activities are also an important indicator of study program accreditation. The purpose of this study is to find out information on graduates of the Nutrition study program in 2022.

2 **METHOD**

Quantitative descriptive research is the focus of this investigation. The respondents of this study are all Bachelor of Nutrition graduates who graduated according to the cut-off from January 1 to December 31, 2022, as determined by the Rector's Decree on the Undergraduate program. The total number of alums is 8. The alums completed an online questionnaire on the <http://tracerstudy.unesa.ac.id> page, which was used to collect data. We will conduct a descriptive and narrative analysis of the data collected from the tracer study.

3 **RESULTS AND DISCUSSION**

3.1 **Respondent Characteristics**

According to the survey results, the distribution of undergraduate Nutrition students who graduated in 2022 was 1 person in the 103rd graduation period, 6 students in the 104th graduation period, and 1 person in the 105th graduation period. Eight students participated as respondents. To find out what gender the responders were, the vast majority (up to 75%) were women.

Table 1. Table 1 Respondent Characteristics

Variable	n	%
Graduation Period		
103	1	12,5
104	6	75,0
105	1	12,5
Gender		
Male	2	25
Female	6	75

3.2 **SURVEY RESULTS**

The number of alums of the undergraduate nutrition study program who were respondents to this tracer study was 8 students graduating in 2022. Of these 8 alums, all completed the tracer study on the tracerstudy.unesa.ac.id page, with a response rate

of 100%. It showed that the level of alum participation in this tracer study activity was very good

The data collection process through the tracer study information system is easy to carry out because it is web/online based. Additionally, aluminum data information is readily accessible and expeditious for those who require it [5]. The results of research showed a website-based tracer study information system that can present information about alums, tracer study results, graduate performance evaluations, making it easier for administrators to manage alum data, making it easier for graduates to fill out graduate surveys, and make it easier for users to provide graduate performance evaluation assessments because it can be done online [6]. Another study also indicated that tracer studies, which utilize computer programs, could simplify the process of collecting data from alumni and assist in the monitoring of their development by verifying their alum status and simplifying the process of completing questionnaires [7]. This web-based tracer study is also implemented by other institutions such as the Jakarta Veteran National Development University Institution, this method was chosen because it was considered to provide the possibility of organizing alumni data, and could be processed effectively [8].

In contrast to the manual method, which involves the completion of the tracer study form by recent graduates or the transmission of the form to more distant graduates via email and postal service, there are numerous challenges. For example, the sheer volume of files that must be generated and subsequently processed by lecturers, as well as the susceptibility of paper files to damage and dirt. Graduates frequently fail to submit the necessary tracer study data when requested via email, telephone, or postal workers, which may be hindered by costs and inconveniences when conducting telephone interviews [9]. One of the limitations of manual methods, which was demonstrated in research conducted at the Faculty of Agriculture, Jenderal Soedirman University, Purwokerto, was the difficulty in manually collecting data [10]. This included the distribution of biodata papers and questionnaires.

According to the tracer study survey results, which are published on the tracerstudy.unesa.ac.id page, six of the eight Bachelor of Nutrition program graduates who participated in the survey and graduated between January 1 and December 31, 2022, were classified as gold standard (75%). Included in this group are former employees who have worked for at least six months and, depending on their area, earned at least 1.2 times the provincial minimum wage. A total of three alumni and individuals who were self-employed for less than six months. On a monthly basis, entrepreneurs made between 2,000,000 and 3,000,000 IDR from ventures in the culinary, tourist, and educational industries. There were no alumni who continued their education at the time of the cut-off.

References

1. Nugraheni. Yeti, *et al.*: Tracer Study Analysis of Vocational Education in Politeknik Negeri Bandung With Exit Cohort as an Approach. In: Proceedings of the First International Conference on Applied Science and Technology (iCAST) , pp. 110–115. Social Science, Education and Humanities Research, Bandung (2018)

2. Chen, Y.,: Graduate Employability : The Prespective of Social Networking Learning. *EURASIA Journal of Mathematics Science and Technology Education* **13**(6), 2567–2578 (2017)
3. Balkar, B.: Rethinking the Relationship between the Growth of the Secondary Education System and Employment : Evidence from Turkey. *Journal of Learning for Development* **9**(2), 211–222 (2016)
4. Ma'dan, M., Muhammad Takiyuddin Ismail., and Sity Daud.: Strategies to Enhance Graduate Employability : Insight From Malaysian Public University Policy-Markers. *Malaysian Journal of Learning and Instruction* **17**(2), 137–160 (2016)
5. Saiful, M. *et al.*: Penerapan Sistem Informasi Tracer Study untuk Mengetahui Tingkat Kontribusi Perguruan Tinggi dengan Kompetensi Lulusan Studi Kasus Fakultas Teknik Universitas Hamzanwadi. *Infotek Jurnal Informatika dan Teknologi* **2**(1), 43–52 (2019)
6. Fitriani, E., M. Ugiarto, U. Hairah.: Sistem Informasi Tracer Study Berbasis Website Dengan Sms Gateway Pada Fakultas Ilmu Komputer Dan Teknologi Informasi Universitas Mulawarman. In: *Prosiding Seminar Ilmu Komputer dan Teknologi Informasi*, pp.136-141. *Prosiding SAKTI (Seminar Ilmu Komputer dan Teknologi)*, Samarinda (2017)
7. Cahyaningtyas, A. *et al.*: Penerapan Metode Waterfall Pada Aplikasi Tracer Study Berbasis Website. *Infotekmesin* **13**(2), 341-348 (2022)
8. Fatullah, R and Syaechurodji.: Sistem Informasi Tracer Study Pada Fakultas Ilmu Komputer Universitas Banten Jaya.. *Jurnal Sistem Informasi dan Informatika (Simika)* **1**(1), 66–69 (2019)
9. Pangastuty, Diah Ayu., Anita Muliawati, and I Wayan Widi Pranyana.: Pengembangan Sistem Informasi Tracer Study di Universitas Pembangunan Nasional Veteran Jakarta..In: *Seminar Nasional Mahasiswa Ilmu Komputer dan Aplikasinya (SENAMIKA)*, 383-394, SENAMIKA, Jakarta (2020)
10. Lutfi, A. Arijal and Rizki Wahyudi.: Aplikasi Tracer Study Berbasis Website Responsive Pada Fakultas Pertanian Universitas Jenderal Soedirman Purwokerto. *Majalah Ilmiah INTI* **5**(3), 195–202 (2018)

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