

Tracer Study Report

Graduate Tracking System

The Tracer Study or tracking of graduates carried out by BoA has covered five aspects, namely:

- 1) Implementation of coordinated tracer studies at the university level, in this case an extension of Udayana University in carrying out tracer studies is carried out by the CDC ([Career Development Center](#)).
- 2) Tracer Study activities are carried out regularly every year and documented.
- 3) The contents of the questionnaire include all the core questions of the DIKTI tracer study.
- 4) Targeted at the entire population (graduates from TS-4 to TS-2).
- 5) The results are disseminated and used for curriculum development and learning. In this regard, the Agribusiness Study Program has conducted socialization for curriculum development at the ACF (Agribusiness Cadres Forming) event.

Tracer study of alumni is one of the empirical studies that is expected to provide information to evaluate educational outcomes at Udayana University, especially at the Faculty of Agriculture, Agribusiness Study Program. This information is used for further development in ensuring the quality of education for graduates of agribusiness study programs. All of this information will be used as the basis for implementing plans to improve the quality of graduates in the future.

The mechanism for tracking graduates of the Agribusiness Study Program is coordinated with graduate tracking activities at the Udayana University level. Udayana University has formed a Career Development Center (CDC) (<https://cdc.unud.ac.id/pages/view/tracer-study-alumni-universitas-udayana>) since 2008 as a forum for developing the quality of human resources. This institution is tasked with tracking graduates of all Udayana University. The Faculty of Agriculture also formed a Study Tracer Implementation Team for the Faculty of Agriculture to track graduates in all study programs (3 Study Programs: Agribusiness, Agroecotechnology, and Landscape Architecture). The implementation of tracking the graduates of the Agribusiness Study Program is also integrated with the Faculty of Agriculture Study Tracer Implementation Team. When the quota of graduate tracking respondents has not met the specified standards, the Agribusiness Study Program also conducts graduate tracking activities independently by forming an implementing committee for the Agribusiness Study Program Tracer.

The Agribusiness Study Program Management Unit conducts periodic tracking of graduates every year. At the university level, tracking graduates in the implementation year (TS) will capture graduates from the previous year (TS-1). The method of tracking graduates at the Udayana University level is carried out online through the university's website

(<https://cdc.unud.ac.id/pages/view/tracer-study-alumni-universitas-udayana>). The implementation of tracking graduates at the Faculty of Agriculture level captures TS up to TS-4. The tracking method is carried out online through the faculty website (<https://fp.unud.ac.id/index.php/pengisian-data-tracer-studi-bagi-graduate-year-2020-universitas-udayana/>) and also through the media Facebook social. Meanwhile tracking of graduates at the Agribusiness Study Program level is carried out through the graduates' WA Group and is carried out by visiting each graduate user if necessary. The google form link address used in the graduate tracking system of the BoA, is as follows.

<https://docs.google.com/forms/d/e/1FAIpQLSfvYyPCFCrQJATXJtyr3TKmC0zk22WSGeafBmNgO38L926NQ/viewform>.

The google form link address used in the user tracking system for graduates of the BoA, is as follows

https://docs.google.com/forms/d/e/1FAIpQLSdgFe7EXg_LekuRCcPqF5mLNjX9i642Rbu2_cNLOskSDH4HiQ/viewform.

The results of graduate responses and graduate users will be recorded on Google Drive

<https://docs.google.com/spreadsheets/d/1lzdfFyLAPoD8iebvBM2nTBNbSfY519HN/edit?usp=sharing&oid=117482183030475519902&rtpof=true&sd=true>. The graduate tracking instrument is distributed in the form of a google form to graduates and graduate users. The instrument for tracking alumni is in the form of a questionnaire. The questions in the questionnaire have adopted all the core questions of the **DIKTI Study Tracer**. The details of the graduate tracking questionnaire questions can be seen at google form link address above.

The Management Unit of the Agribusiness Study Program, Faculty of Agriculture, Udayana University conducted graduate tracking for graduates for TS-4 (2016/2017), TS-3 (2017/2018), and TS-2 (2018/2019). Graduate data for TS-4 to TS-2 was obtained by the Agribusiness Study Program, Faculty of Agriculture, Udayana University from graduate data in the Faculty of Agriculture. The data is then used to determine the sample size of graduates to be tracked. The number of graduates in TS-4 to TS-2 is 235 people as the target population.

Questionnaires for tracking graduates can be obtained from the address of the questionnaire distribution link through the Whatsapp Group of each alumni class and through social media Facebook (Messenger) and Instagram DMs (Direct Message) for each alumnus. The number of graduates of the S1 Agribusiness Study Program is 235 alumni, consisting of 88 TS-4 alumni, 73 TS-3 alumni, and 74 TS-2 alumni. Of the 235 alumni graduates, 167 people (71.06%) responded to the questionnaire given. The number 167 alumni consists of 61 TS-4 graduates, 55 TS-3 graduates, and 51 TS-2 graduates.

Tracking graduates provides benefits as information on changes in stakeholder needs (world of work), evaluates the suitability of planned graduate profiles with the fields of work

obtained by graduates, evaluates the learning curriculum in the BoA, expands cooperative relations in the field of Tri Dharma College (Education, Research, and Community Service). The full explanation is as follows.

1) Curriculum Development and Learning

Through tracking activities for alumni of the Agribusiness Study Program, Faculty of Agriculture, Udayana University, they can find out the relevance of graduate profiles, learning achievements of study program graduates, and the curriculum that will be used to support the competency of prospective graduates according to changing environmental conditions in the world of work. Considering the importance of alumni input and alumni users, every time the study program curriculum changes, the results of graduate tracking activities are socialized to the curriculum development team for the Agribusiness Study Program, Faculty of Agriculture, Udayana University. Dissemination of the effects of input from alumni and their users was conveyed at the preparatory meeting for the preparation of the MBKM curriculum on April 7, 2021. This input includes considering English courses considering the importance of English proficiency for users. Mastery of technology in the world of work, especially technology related to using analytical tools to sharpen analysis and determine the right strategy/program.

2) Supporting student activities

The results of tracking alumni can also be used to develop student activities. There are student activities outside the campus that are carried out by BoA students that are mandatory and not. Compulsory off-campus activities such as field practicums, internships, Community Service Program (KKN), and Bachelor Thesis, while non-compulsory programs are offered in the Independent Campus and Independent Learning Curriculum. All of these activities will be more goal-directed (increasing the competence of prospective graduates) if alumni and alumni users (stakeholders) are willing to direct student learning activities outside the campus, as well as involving successful alumni in entrepreneurship workshops to form a campus entrepreneurial spirit through work program created by the Agribusiness Student Association (HIMAGRI).

3) Provider of employment information

Based on alumni tracking activities, alumni and users can convey information related to manpower needs in their institutions through social media such as Instagram, Facebook, Whatsapp, and also through the CDC (Career Development Center) Unud (<https://cdc.unud.ac.id/>). Currently, CDC - Unud has collaborated with several institutions, both private and government in carrying out and carrying out its main tasks. CDC-Unud has carried out various activities, such as: (1) Providing information about career vacancies, both through

the website and through posting posters, distributing flyers, and career days; (2) Conducting soft skills training for students and graduates; (3) Carry out campus hearings; (4) Employee recruitment and in-campus recruitment; (5) Continuous socialization of the program to bring CDC – Unud closer to stakeholders; and (6) Carry out career guidance for students and alumni.

4) Network development

Network development as a vehicle for student practice is carried out by BoA with various parties, including coffee agrotourism owners in Pupuan Village, Umajero, Wanagiri, Buleleng Regency, and coffee agrotourism in Ulian, Catur, Satra and Belantih Villages, Bangli Regency; the subak groups in Subak Beghawan, Tabanan Regency and Subak Lodtunduh, Gianyar Regency. This activity is related to the Agrotourism course and the Subak course, which are compulsory (local) courses in the BoA.

Time to Get a Job

Based on the questionnaire used in tracking graduates for 167 graduates of BoA from TS-4 to TS-2, it can be seen that the majority (89.22% or 149 people) graduates of BoA, got a job for the first time in less than six months. The number of graduates who got their first job in a period of more than six months but less or equal to 18 months was 14 people (8.38%), and only 4 people (2.40%) graduates who got a job in more than 18 months. Data on waiting time for graduates in BoA from TS-4 to TS-2 can be seen in Table 4 and the following.

Table 1. Time to Get a Job

No	Graduate Year	Number of Graduates	Tracked Graduate Amount	Number of graduates tracked by time waiting to find a job		
				WT < 6 months	6 ≤ WT ≤ 18 months	WT > 18 months
1	2	3	4	5	6	7
1	TS - 4	88	61	57	4	0
2	TS - 3	73	55	51	2	2
3	TS - 2	74	51	41	8	2
		NL= 235	167	WT1=149	WT2=14	WT3=4

Explanation:

NL = Number of study program graduates in 3 years (TS-4 to TS-2).

NJ = Tracked number of study program graduates in 3 years (TS-4 to TS-2).

WT = Waiting Time

WT1 = The number of traceable graduates with a waiting time of less than 6 months.

WT2 = Number of graduates tracked with more or equal to 6 months and less or equal to 18 months.

WT3 = The number of tracked graduates with a waiting time of more than 18 months.

In the case of having their own business, the waiting time is calculated from the time the business permit is obtained

Work Suitability

The data used in describing the conditions of suitability for graduates work fields are taken from the first job history after graduating with the BoA. Tracer study result on the suitability of the work field obtained from 167 graduates can be seen that graduates of BoA, have high suitability for work fields are as many as 103 people (61.68%) with an educational background as an agricultural agribusiness graduate with competencies as Managers, Entrepreneurs, Consultants, and Facilitators. As many as 26 graduates (15.57%) with a bachelor's level educational background had moderate job suitability as administrative staff at the official service, private secretaries to the head of the service, marketing personnel at agricultural companies, barista staff, and production administration. A total of 38 graduates (22.75%) who had a low degree of suitability for their field of work with an educational background at the BoA worked as gardeners, Bawaslu staff, teachers, and drugstores. The data on the suitability of the field of work of graduates in the Agribusiness Study Program of FP Unud from TS-4 to TS-2 can be seen in Table 5.

Table 2. Work Suitability

No	Graduate Years	Number of Graduates	Tracked Graduate Amount	Number of Graduates Tracked by Level of Suitability in the Field of Work		
				Low	Moderate	High
1	2	3	4	5	6	7
1	TS - 4	88	61	17	13	31
2	TS - 3	73	55	7	4	44
3	TS - 2	74	51	14	9	28
		NL= 235	NJ= 167	BS1=38	BS2=26	BS3=103

Explanation:

1. The type of work/position in the job does not match or does not match the graduate profile planned in the curriculum document.
2. Jenis pekerjaan/posisi jabatan dalam pekerjaan cukup sesuai dengan profil lulusan yang direncanakan dalam dokumen kurikulum.
3. Jenis pekerjaan/posisi jabatan dalam pekerjaan sesuai atau sangat sesuai dengan profil lulusan yang direncanakan dalam dokumen kurikulum.

NL = Number of study program graduates in 3 years (TS-4 to TS-2).

NJ = Tracked number of study program graduates in 3 years (TS-4 to TS-2).

BS1 = The number of traceable graduates with job suitability is low.

BS2 = The number of traceable graduates with moderate work field suitability.

BS3 = The number of traceable graduates with high job suitability.

User Satisfaction

The data used to describe user satisfaction is obtained from data from direct supervisors of BoA graduates who are currently employed. The number of graduates who are currently working is 131 people. The number of users who responded to the graduate performance assessment was 131 people. Complete data can be seen in Table 6.

Tabel 3. Graduate User Respondents

No	Graduate Years	Number of Graduates	Number of Graduate User Respondents	Number of Graduates Assessed by Users
1	2	3	4	5
1	TS – 4	88	38	38
2	TS – 3	73	45	45
3	TS – 2	74	48	48
		NL= 235	NR=131	NJ=131

Explanation:

NL = Number of study program graduates in 3 years (TS-4 to TS-2).

NR = Number of graduate user respondents who responded to the study program graduate tracking study in 3 years (TS-4 to TS-2).

NJ = Number of study program graduates in 3 years (TS-4 to TS-2) assessed by users.

Based on the data in Table 6, the results of user tracking of graduates of BoA from TS-4 to TS-2, resulted in responses from 131 users who assessed 131 graduates of the Bachelor of Agribusiness Study Program who were currently working. While data regarding the level of user satisfaction with graduates of BoA from TS-4 to TS-2 can be seen in Table 7.

Tabel 4. User Satisfaction Level

No	Type of Ability	User Satisfaction Rate (%)				Follow-Up Plan by BoA
		Very Good	Good	Moderate	Less	
1	2	3	4	5	6	7
1	Ethics	64,89 (85/131)	34,35 (45/131)	0,76 (1/131)	0,00 (0/131)	Holds workshops every year by bringing in speakers from the field of communication who discuss and discuss: social ethics, communication ethics, appearance ethics, and organizational ethics; incorporate ethical elements in Pancasila and Citizenship Education Courses, Fundamentals of Communication and Organizational and Leadership Courses
2	Expertise in the Field of Science (Main Competencies)	52,67 (69/131)	43,51 (57/131)	3,82 (5/131)	0,00 (0/131)	Hold scientific discussions regularly every year by inviting resource persons from experts and practitioners; involve students in MBKM activities in villages and companies that

						are campus partners, carry out student exchanges between campuses, hold training on writing scientific papers regularly and collaborate with lecturers to publish scientific papers in National and International Scientific Journals
3	Foreign Languages Proficiency	16,03 (21/131)	53,44 (70/131)	26,72 (35/131)	3,81 (5/131)	Hold scientific English debates regularly at the student level; hold guest lectures by inviting lecturers from outside (international); collaborate with the University Language Lab to provide courses for students related to communication and scientific publications
4	Information Technology Skill	56,49 (74/131)	39,69 (52/131)	1,53 (2/131)	2,29 (3/131)	Organizing Digital Society lectures and practicum, Digital Marketing; provide software analysis training, such as Multi Dimensional Scalling, Interpretative Structure Modeling, Smart PLS, System Dynamic Modeling, Geographic Information System
5	Communication Skill	57,25 (75/131)	37,40 (49/131)	3,82 (5/131)	1,53 (2/131)	Involve students in scientific and non-scientific activities on and off campus; holding scientific debate activities; involving students in community service activities
6	Teamwork	63,36 (83/131)	31,30 (41/131)	3,82 (5/131)	1,52 (2/131)	Provide a learning process based on case method and project base; motivating and facilitating students

						to participate in activities carried out by Himagri, BEM and competitions at national and international levels
7	Self – Development	64,12 (84/131)	25,19 (33/131)	9,16 (12/131)	1,53 (2/131)	Motivating and facilitating activities related to developing student quality, such as the Student Creativity Program (PKM), Young Agricultural Entrepreneurs (PWMP), Certified Independent Study and Internship Programs, Indonesian Young Digital Entrepreneur Program, and others organized by the Ministry; bringing in practitioners to provide training on smart farming or related to agricultural digitization.
Total		375	265	50	11	
Percentage (%)		53,54	37,84	7,09	1,53	

Based on Table 7 above the results of the graduate user response questionnaire obtained from 131 graduate users of BoA, it can be seen that most user satisfaction is at a good and very good level for all types of capabilities requested for responses. BoA graduates, have a very good level of satisfaction in terms of ethical ability (64.89%), expertise in the field of science (main competency) (52.67%), foreign language skills (16.03%), use of information technology (56.49%), communication skills (57.25%), teamwork (63.36%), and self-development (64.12%). A good level of user satisfaction is shown in the ability of graduates in terms of expertise in ethics skills (34.35%), expertise in the field of science (main competency) (43.51%), foreign language skills (53.44%), use of information technology (39.69%), communication skills (37.40%), teamwork (31.30%), and self-development (25.19%), but there are a small number of graduate users who rate their level of satisfaction in the less category, namely in terms of foreign language skills (3.81%), use of information technology (2.29%), communication skills (1.53%), teamwork (1.52%), and self-development (1.53%). Some users rate their level of satisfaction in the sufficient category, namely in terms of ethics (0.76%), expertise in the field of science (3.82%), English language skills (26.72%), use of information technology (1.53%), communication skills and teamwork (3.82%), and self-

development (9.16%). Based on the results of the questionnaire regarding the level of user satisfaction with graduates, BoA have follow up plans such as:

1) Ethics

Inining and increasing the level of user satisfaction to the graduates who are excellent and good in terms of ethics, BoA plans to hold workshops each year by bringing sources from the field of communication that discuss and discuss about: ethics of society, ethics in communication, ethic of appearance, and organized ethics. Ethics of society includes: the development of the spirit of family and mutual respect without differentiating socio-economic backgrounds, tribes, religions, races and groups; development of social sensitivity, loyalty and solidarity among others by incorporating ethical elements in the Pancasila Education and Citizenship Course, Communication Basics and Course Organization and Impartiality.

2) Expertise in the Field of Science (Main Competencies)

In maintaining and increasing the level of user satisfaction for graduates who are very good and good in terms of expertise in the field of science (main competency), BoA plans to hold regular scientific discussions every year by inviting resource persons from experts and practitioners; involve students in MBKM activities in villages and companies that are campus partners, carry out student exchanges between campuses, conduct training on writing scientific papers regularly and collaborate with lecturers to publish scientific papers in National and International Scientific Journals.

3) Foreign Language Proficiency

In maintaining and increasing the level of user satisfaction for graduates who are very good and good in terms of foreign language skills, BoA plans to hold scientific English debates regularly at the student level; holding guest lectures by inviting lecturers from outside (international); collaboration with the University Language Laboratory to provide courses for students related to communication and scientific publications.

4) Information Technology Skill

In maintaining and increasing the level of user satisfaction for graduates who are excellent and good at using information technology, BoA plans to hold Digital Society lectures and practicums, Digital Marketing; providing training in software analysis, such as Multi Dimensional Scalling, Interpretative Structure Modeling, Smart PLS, System Dynamic Modeling, Geographic Information System (GIS) which are much needed in the world of work.

5) Communication Skill

In maintaining and increasing the level of user satisfaction for graduates who are very good and good in terms of communication skills, UPPS/PS plans to involve students in scientific and non-scientific activities on and off campus; holding scientific debate activities;

involving students in community service activities.

6) Teamwork

In maintaining and increasing the level of user satisfaction for graduates who are very good and good in terms of teamwork, UPPS/PS plans to provide a case method and project-based learning process; motivating and facilitating students to participate in activities carried out by the Agribusiness Student Association (Himagri), Student Executive Board (BEM) and competitions at national and international levels.

7) Self - Development

In maintaining and increasing the level of user satisfaction for graduates who are very good and good in terms of self-development, BoA plans to motivate and facilitate activities related to the development of student quality, such as the Student Creativity Program (PKM), Young Agricultural Entrepreneurs (PWMP), Certified Independent Internship and Study Program, Indonesian Young Digital Entrepreneur Program and others organized by the Ministry; bringing in practitioners to provide training on smart farming or related to agricultural digitization.