



UNIVERSITAS GADJAH MADA
FACULTY OF AGRICULTURAL TECHNOLOGY
MASTER IN FOOD SCIENCE & TECHNOLOGY

TRACER STUDY REPORT

**MASTER IN FOOD SCIENCE
AND TECHNOLOGY**

FACULTY OF AGRICULTURAL TECHNOLOGY
UNIVERSITAS GADJAH MADA
2024

Introduction

The Tracer Study is an annual survey to evaluate and enhance the educational processes and academic systems at Universitas Gadjah Mada (UGM). The results of this survey provide valuable data that support various development and advancement needs of the university.

In 2024, the respondents of the Tracer Study are alumni who completed their graduation requirements in 2023. The survey is managed under the coordination of the UGM Alumni Office, utilizing data from the integrated SIMASTER system. It is conducted digitally through the SIMASTER platform, accessible via its mobile application or the official website at [**simaster.ugm.ac.id**](https://simaster.ugm.ac.id).

The UGM Tracer Study serves as an important tool for improving academic programs and ensuring UGM's progress as a leading educational institution.

1. Alumni Profile

A total of 48 alumni participated in the 2024 Master in Food Science and Technology (MFST) UGM tracer study. Detailed information is presented in Table 1 below.

Table 1. Respondent Information

Status	2024 Tracer Study
Responded	37
Yet to Respond	11
Total Respondents	48

Based on Table 1., it can be seen that 77.08% completed the survey questionnaire, while the remaining 22.92% have not yet responded. This data is also presented visually in Figure 1.

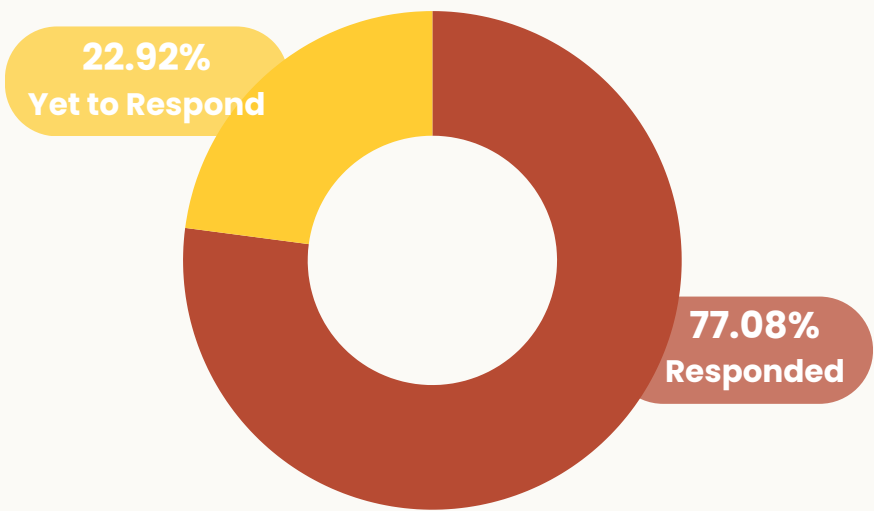


Figure 1. Response Rate of Tracer Study Participants

2. Activities After Graduation

The majority are currently employed with a small portion either looking for work or pursuing entrepreneurial activities.

- Work
- Seeking for a job
- Entrepreneurship
- Previously worked (currently seeking for a job)

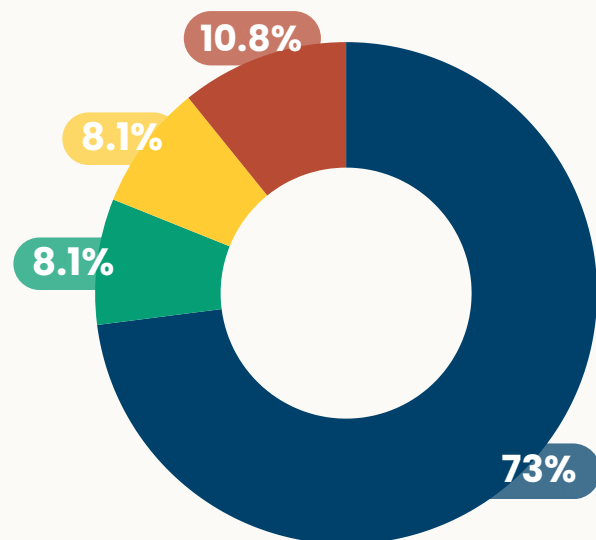


Figure 2. Activities After Graduation

3. The Waiting Time for Alumni to Secure Employment

This result indicate that most MFST alumni either secure jobs before graduating or within 6 months afterward.

- Before graduation
- < 6 month
- 7 - 12 month

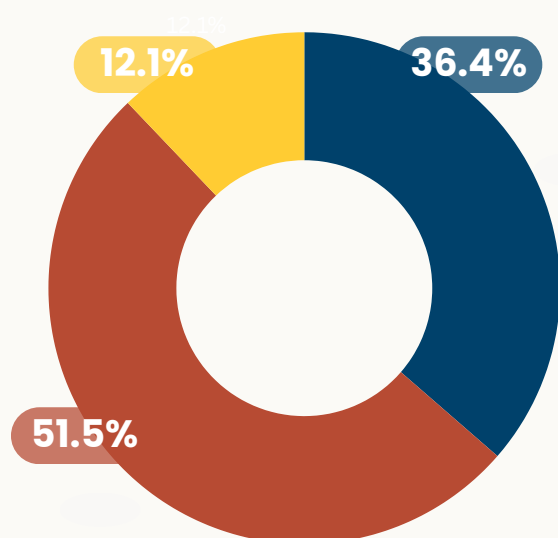


Figure 3. Waiting Time to Secure Employment

4. How Alumni Obtain Job Offers

Most MFST alumni received job offers through personal connections (16.9%), followed by social networking (12.7%), academic networks, and contacted by the employers (each 11.3%). This suggests that MFST alumni are well-connected and sought after. Detailed information is presented in Table 2 below.

Table 2. How MFST Alumni Found Their Jobs

How to Get a Job	%
Through Collegeus/Relatives/Family	16.9
Social Media Networking	12.7
Networking During Studies	11.3
Contacted by the Employer	11.3
Starting Business	7
Contacted Employer/Organization Without Job Vacancy Information	7
Through Job Placement or Internship	7
Working at the Same Place as During Studies	5.6
Through Newspaper/Magazine/Brochure Ads	5.6
Obtained Information from Career Fair	5.6
Assisted by External Career Development Center	4.2
Others	5.6

5. Type of Institution

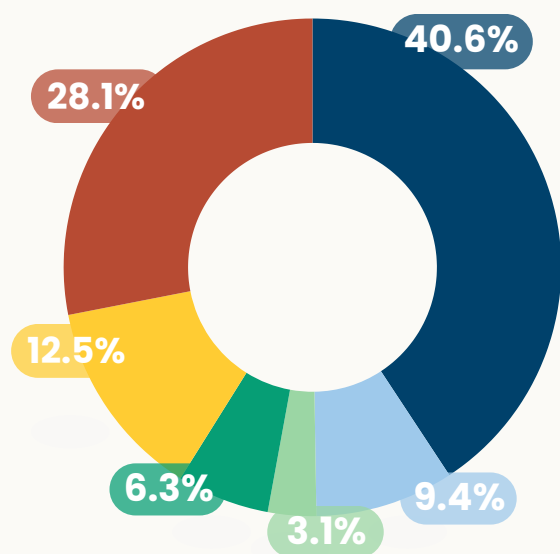


Figure 4. Type of Institution

The majority are employed in governments agencies.

- Government agency
- Private company
- Self-employed
- Multilateral institution
- Non-profit organization
- Others

6. Level of Institution

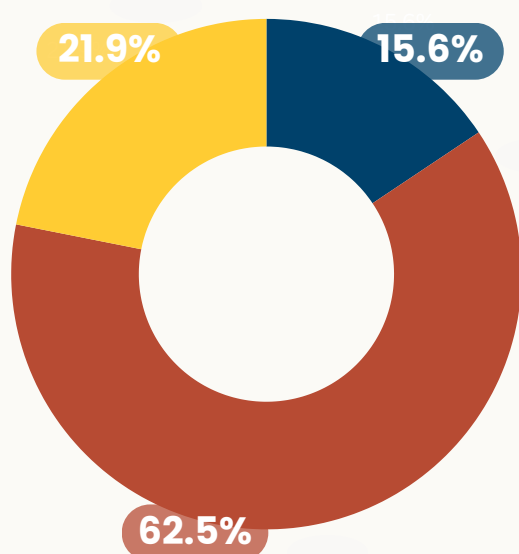


Figure 5. Level of Institution

The majority of MFST alumni work for national companies.

- Multinational/International
- National/Legally Registered Self-Employed
- Local/Regional/Unregistered Self-Employed

7. Current Employment Status

The majority of MFST alumni are employed full-time (75%), while 25% are working part-time. This indicates strong opportunities for alumni to secure stable and sustainable employment.

- Full-time employment
- Part-time employment

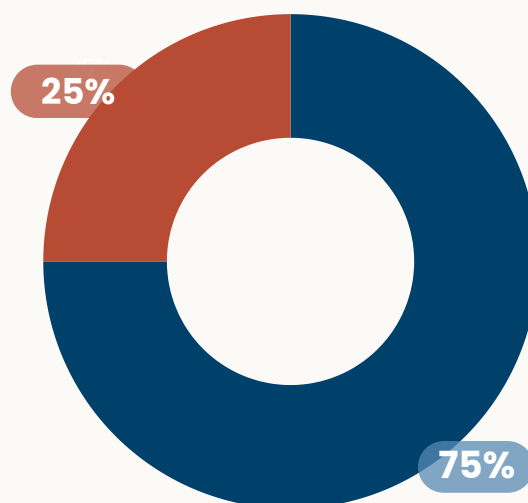


Figure 6. Current Employment Status

8. Current Job Position

The majority currently hold positions as employees or staff (84.4%), with only a small portion occupying managerial roles or running their own businesses.

- Business owner
- Top management
- First-line management
- Employee/staff
- Self-employed

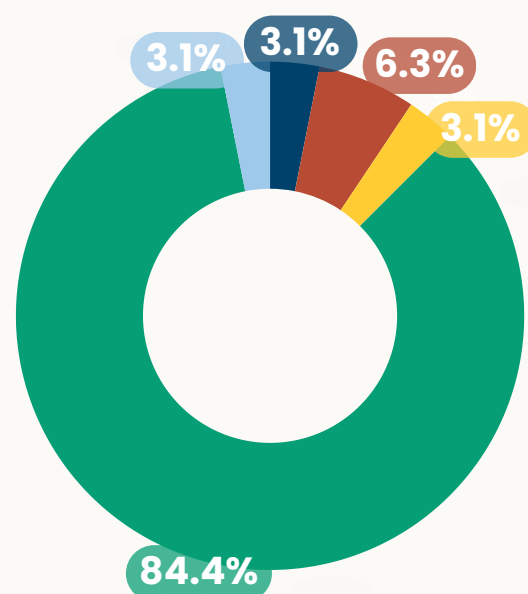


Figure 7. Current Job Position

9. Where Alumni Work

The majority of MFST alumni are employed in Java Island, particularly of Special Region of Yogyakarta, Central Java, Jakarta, East Java, West Java, and Banten. Alumni are also spread across provinces outside Java, including Lampung, Gorontalo, North, Southeast, and West Sulawesi, Maluku, and West Papua.



Figure 8. Distribution of Graduate Workplaces

10. Average Monthly Income

The majority of alumni (68%) earn less than Rp5,000,000 per month. About 22% have a monthly income ranging from Rp5,000,000 to Rp7,000,000, while only 10% earn above Rp7,000,000.

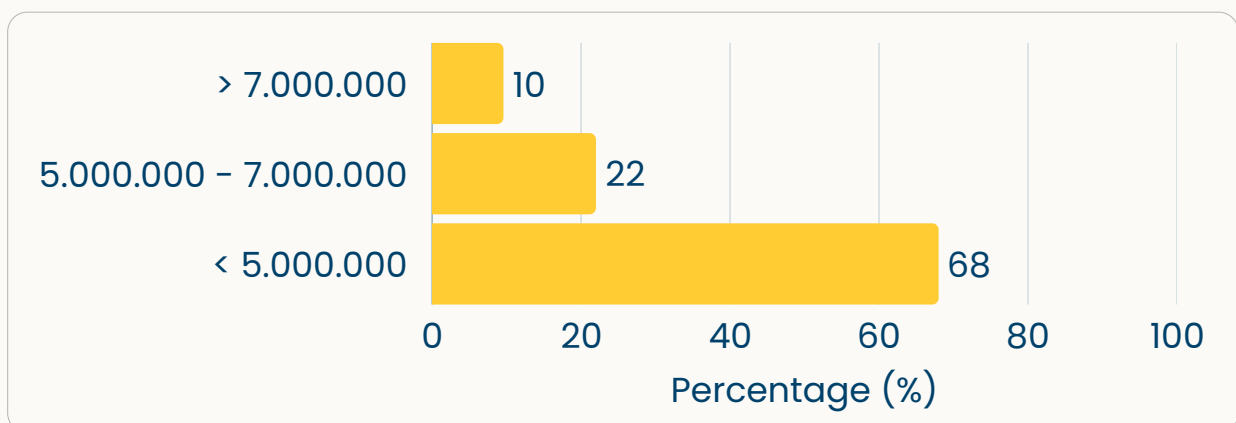


Figure 9. Average Monthly Income

11. Employer Considerations in Recruiting Alumni

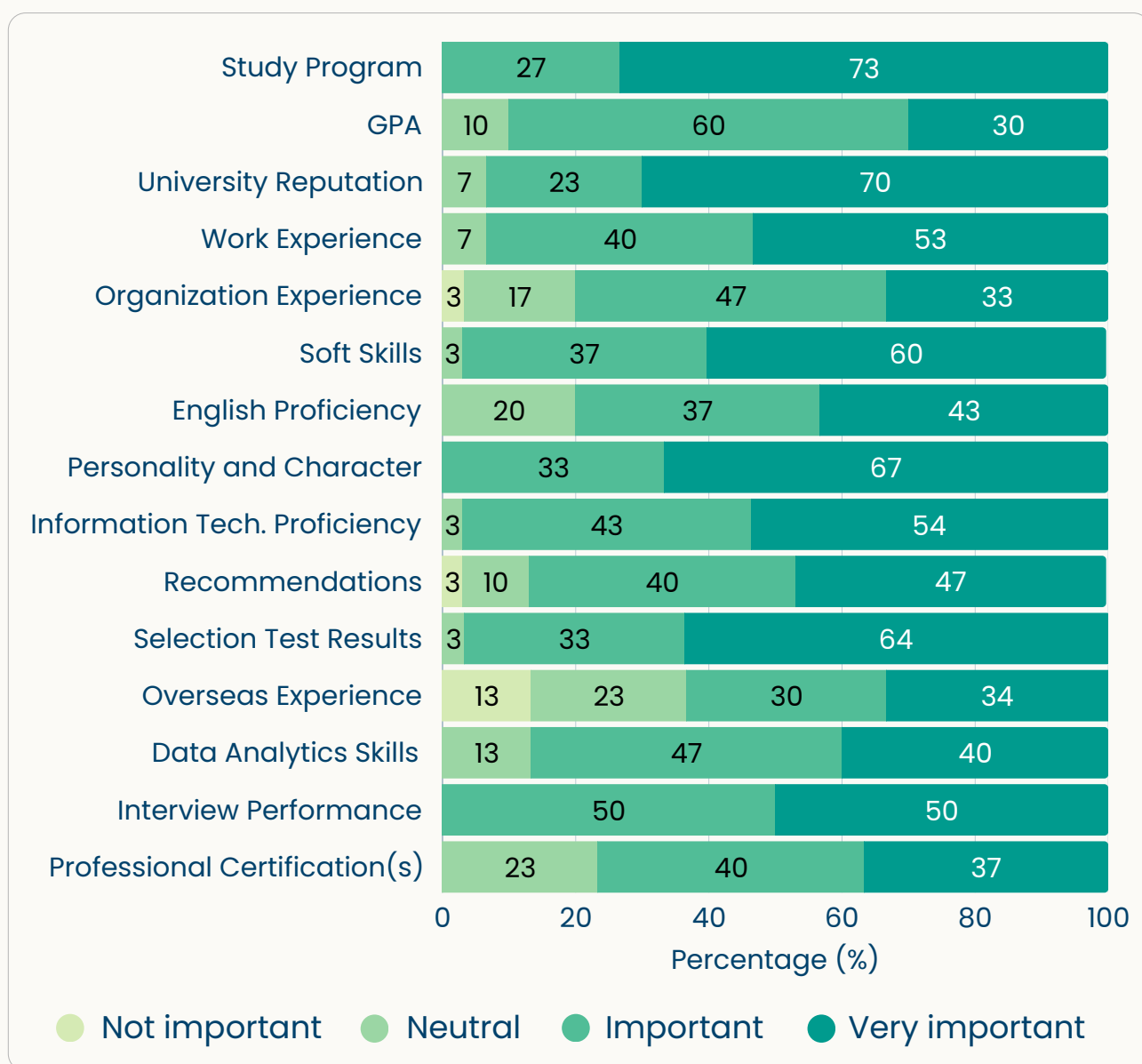


Figure 10. Employer Considerations in Recruiting Graduates

The survey results indicate that study program, university reputation, personality and character, selection test results, and soft skills are the most important considerations for employers in recruiting alumni. Other key factors include work experience, information technology proficiency, and interview performance. The high percentages in the “very important” category reflect the strong emphasis employers place on both academic background and personal competencies during the hiring process.

12. Learning Methods Emphasized in the Study Program

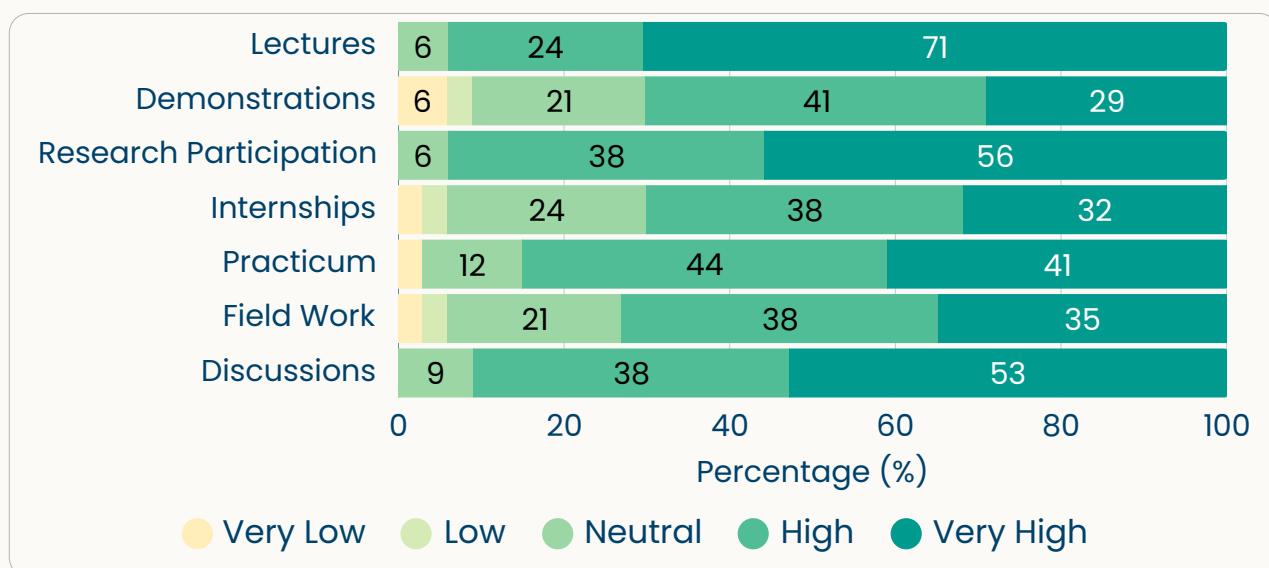


Figure 11. Learning Methods Emphasized in the Study Program

Survey results show that lectures, research project participation, and discussions are the most emphasized learning methods in the study program. This suggests that the program prioritizes active and research-oriented learning approaches. These findings also highlight the program's focus on helping students think critically and work independently.

13. The Relevance of Competencies Acquired During Studies to the Current Job

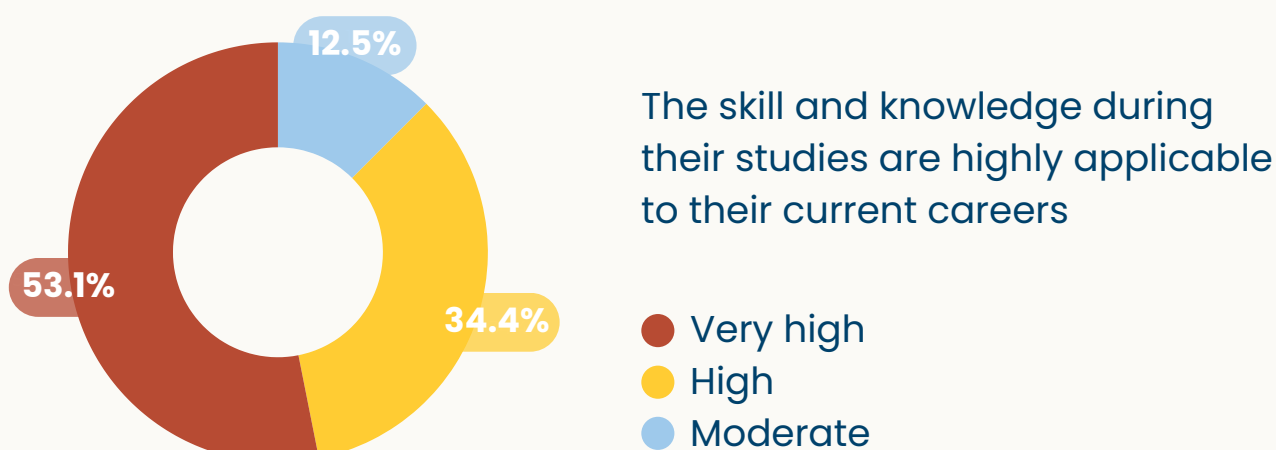


Figure 12. Relevance Level

14. Satisfaction with Current Job

This data indicates a generally positive level of job satisfaction.

- Very satisfied
- Satisfied
- Moderate

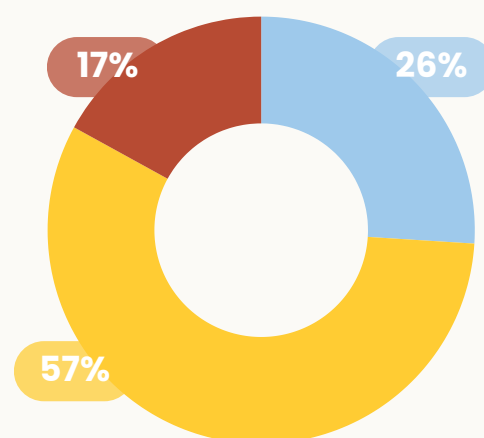


Figure 13. Satisfaction Level with Current Job

15. Contribution of Graduate Competencies to Current Job

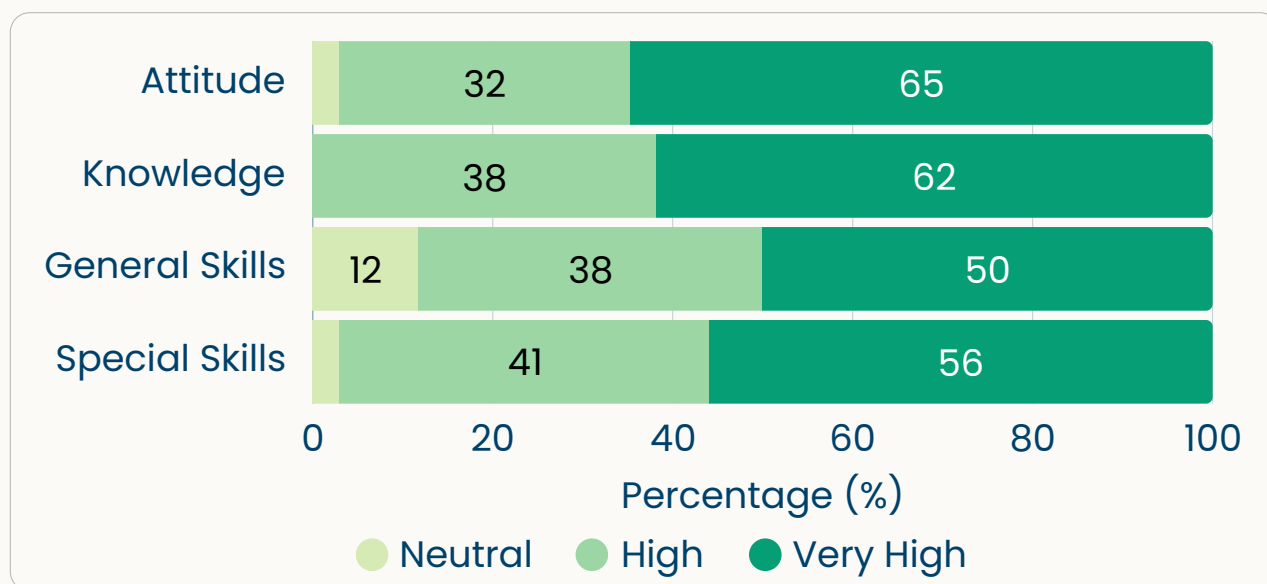


Figure 14. Contribution of Graduate Competencies to Current Job

Attitudes developed during studies play an important role in alumni's current jobs. The knowledge, along with general and special skills acquired, is highly relevant and beneficial to their work.

16. The Desire for Lifelong Learning

The data shows a high level of commitment to lifelong learning

- Very high
- High

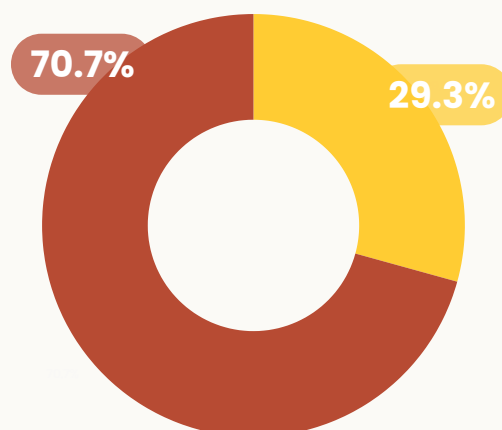


Figure 15. The Desire for Lifelong Learning

17. Benefits After Graduation

The top benefit reported by alumni was improved thinking and decision-making skills, followed by opportunities for further studies and easier access to employment. Overall, the MFST Program help advance careers, improve and provide more opportunities for growth and development.

- Improved thinking and decision-making skills
- Easier to obtain/create a job
- Opportunity to continue studies
- Job mobility opportunities
- Job promotion
- Salary increase

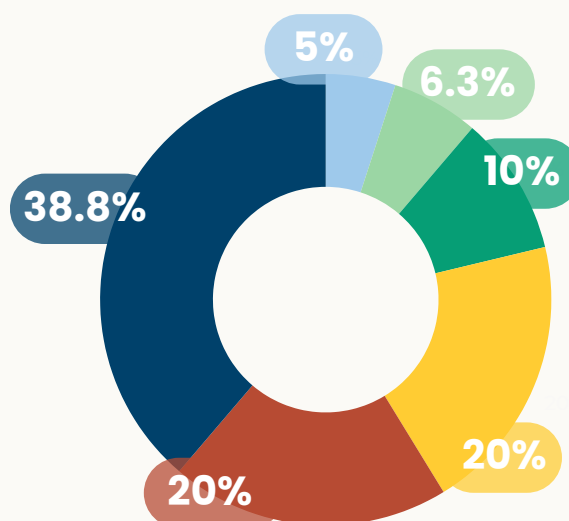


Figure 16. Benefits After Graduation

18. Media and Activities to Strengthen the Bond between MFST and Its Alumni

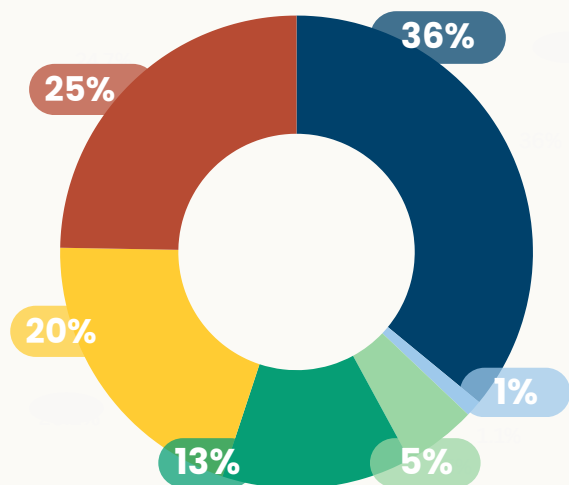


Figure 17. Media and Activities to Strengthen the Bond with Alumni

The results highlighted the importance of networking and diverse activities for alumni engagement.

- Alumni network/KAGAMA
- Tridharma activities
- Art/cultural events
- Scientific activities
- Newsletter/magazines
- Others

19. Contributions Made by Alumni to Enhance the Role of Alumni

The data highlight various ways alumni contribute to enhancing their role in supporting MFST. The alumni are most engage in offering career-related support and academic involved.

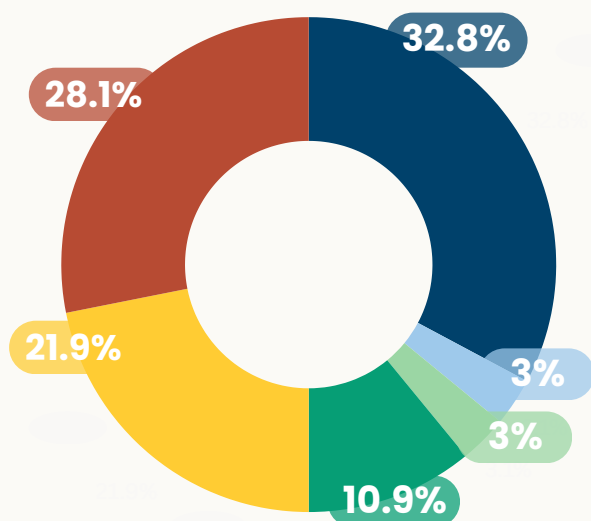


Figure 18. Contribution to Enhance the Role of Alumni

- Providing job opportunities
- Academic activities
- Non-academic activities
- Form of funds
- Form of goods
- Others

20. Suggestions for Improving the Quality of UGM Graduates

To support the improvement of UGM graduate quality, alumni provided suggestions based on their professional experiences. The key points are summarized below:

1. Curriculum and Learning

- Update the curriculum to match industry needs and current trends.
- Increase practical learning and case-based studies.
- Include more courses in English and promote inter-disciplinary learning.
- Provide relevant training (e.g., QA, QC, R&D) aligned with job demands.

2. Internships and Practical Experience

- Expand internship opportunities and hands-on learning.
- Make internships and skill certifications mandatory before graduation.
- Improve access to fieldwork and simplify administrative processes.

3. Soft Skills and Personal Development

- Provide structured training in communication, leadership, and teamwork.
- Encourage confidence in public speaking and self-presentation.
- Foster a growth mindset and persistence in pursuing career goals.

20. Suggestions for Improving the Quality of UGM Graduates

4. Alumni and Career Support

- Strengthen alumni networks and job market connections.
- Provide more job vacancy info and career-related events.
- Engage alumni in mentoring and networking programs.

5. Facilities and Resources

- Improve the quality and availability of laboratory equipment.
- Provide access to certification programs for students and alumni.
- Ensure digital access to academic and career resources.

6. Industry Collaboration and Employment Readiness

- Build stronger partnerships with industry for student projects and job placement.
- Support career preparation through resume writing, interview practice, and career counseling.
- Increase opportunities for collaboration with companies, especially for master's graduates.

7. Entrepreneurship and Innovation

- Encourage students to explore entrepreneurship and independent careers.
- Provide training and support for starting a business after graduation.

20. Suggestions for Improving the Quality of UGM Graduates

8. Communication and Learning Environment

- Encourage open, interactive discussions in class and reduce the number of prepared questions.
- Adapt course content to match the needs of Gen Z and technological advancements.

9. Job Information Access

- Regularly update job listings, especially in the food industry and other key sectors.
- Make career-related information more accessible through websites or Simaster.

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