Factors influencing job career of Brawijaya University alumni: a perception of alumni survey

S.P. Sakti, D. Suprayogo, L. Djakfar, H. Soetanto, B. Suharto

&

Brawijaya University Tracer Study Team

http://tracerstudy.ub.ac.id
Background

• The need for continuous tracer study system which can reach the alumni widely and rapidly
• Mapping the graduate profile related to their job and study
• Providing information to the management about the alumni perception to the university
Development Plan

Need of continuous tracer study

- 2009 – Discussion & design for tracer study system
- 2010 – Tracer study for Alumni
- 2011 – Tracer study for stake holder
- 2012 – 2013 Refining the system & integration
Personal Information

Tracer Study Alumni

Universitas Brawijaya

Informasi Pribadi Responden

Fakultas Matematika dan Ilmu Pengetahuan Alam

-- Pilih Salah Satu --

NIM (selama jadi mahasiswa UB)

01. Nama

02. Umur

03. Jenis Kelamin

-- Pilih Salah Satu --

04. Status Perkawinan

-- Pilih Salah Satu --

05. Alamat Rumah

06. Kota
Questionaire Related to the Carrier Process

Kategori Survey

Informasi Pribadi Responden
Proses Karir
Proses Pembelajaran dan Kondisi fasilitas
Perkuliahan yang mempengaruhi Jenjang Karir
Mendaftarkan Proses perkuliahan dari Program Studi
Pengembangan Kecakapan Hidup (Soft Skill)

II. Proses Karir

17. Apakah anda sdh bekerja sebelum lulus?
   Ya, di lembaga informal dan sesuai dengan bidang yang ditekuni

18. Bagaimana anda mendapatkan pekerjaan anda yang pertama setelah lulus Universitas Brawijaya?
   Melalui lamaran pada lowongan pekerjaan

19. Kapan anda mulai mencari pekerjaan?
   Sebelum lulus

20. berapa kali anda memasukkan lamaran pekerjaan setelah lulus?
   5 Jumlah Lamaran. Jika anda tidak mencari lowongan pekerjaan mahon disi dengan angka 0

21. Berapa banyak pekerjaan yang pernah ditawarkan kepada anda?
   3 Jumlah Lowongan. Jika tidak ada lowongan yang pernah ditawarkan mahon disi dengan angka 0

22. Berapa kali anda pernah mengikuti ujian / wawancara penerimaan pegawai / karyawan?
   4 Jumlah Ujian / Wawancara. Jika anda tidak pernah mengikuti ujian / wawancara mahon disi dengan angka 0

23. Berapa lama jangka waktu yang anda perlukan hingga memperoleh pekerjaan yang pertama?
   7 Bulan. Jika anda memerlukan waktu kurang dari 15 hari, mahon disi dengan angka 0.
Questionaire Related to the Condition affecting Carrier Process

<table>
<thead>
<tr>
<th>Kategori Survey</th>
<th>III. Proses Pembelajaran dan Kondisi fasilitas Perkuliahan yang mempengaruhi Jenjang Karir</th>
</tr>
</thead>
<tbody>
<tr>
<td>Informasi Pribadi Responden</td>
<td></td>
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<tr>
<td>Proses Karir</td>
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<tr>
<td>Proses Pembelajaran dan Kondisi fasilitas Perkuliahan yang mempengaruhi Jenjang Karir</td>
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<tr>
<td>Manfaat Proses perkuliahan dari Program Studi</td>
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<tr>
<td>Pengembangan Kecakapan Hidup (Soft Skill)</td>
<td></td>
</tr>
</tbody>
</table>

Pilihan satu jawaban pada form di bawah ini. Keterangan: 5 = sangat berpengaruh, 1 = tidak berpengaruh

1. Bimbingan/bantuan akademis
   - 5
   - 4
   - 3
   - 2
   - 1

2. Hubungan dengan staff pengajar
   - 5
   - 4
   - 3
   - 2
   - 1

3. Kualitas pengajar dari staff pengajar
   - 5
   - 4
   - 3
   - 2
   - 1

4. Dedikasi dari para staff pengajar
   - 5
   - 4
   - 3
   - 2
   - 1

5. Kurikulum/silabus/satuan acara perkuliahan
   - 5
   - 4
   - 3
   - 2
   - 1

6. Perlengkapan laboratorium
   - 5
   - 4
   - 3
   - 2
   - 1

7. Pengadaan material pengajaran
   - 5
   - 4
   - 3
   - 2
   - 1

8. Fasilitas Perpustakaan
   - 5
   - 4
   - 3
   - 2
   - 1

9. Orientasi praktis dalam pengajaran
   - 5
   - 4
   - 3
   - 2
   - 1

10. Pelatihan di laboratorium
    - 5
    - 4
    - 3
    - 2
    - 1

11. Praktek di lapangan dan Industri
    - 5
    - 4
    - 3
    - 2
    - 1

12. Pelayanan administrasi akademik
    - 5
    - 4
    - 3
    - 2
    - 1
Respondent Profiles

• Total data entry
  – 1997 respondents

• Respondents from enrolling year 2003-2006
  – 872 respondent
## Cross Correlation of variables

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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</thead>
<tbody>
<tr>
<td>Quality of teaching</td>
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<tr>
<td>Library</td>
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<td>Physical infrastructure</td>
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<td>Work experience</td>
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<td>Co-curricula</td>
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<tr>
<td>Extra curricula</td>
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</tbody>
</table>

Respondents fill each question independently
Did they work during their study?

- Yes: 31%
- No: 66%
- No answer: 3%
When did they start to get a "permanent job"?

- 64% After graduation
- 30% Before graduation
- 6% No Answer
Job Types

- Private sector: 70.0%
- No Answer: 20.0%
- Government: 10.0%
- BUMN: 0.0%
- Own job: 0.0%

BUMN: Government Commercial Sector
WHAT IS THE MOST SIGNIFICANT FACTORS AFFECTING ALUMNI CAREER
Role of Lecturer on alumni career

Role of Lecturer is important to support alumni career

- Academic counselling
- Relationship with lecture
- Quality of teaching
- Dedication of lecture
- Academic atmosphere

Legend:
- 1: no influence at all
- 2: less influence
- 3: slightly influencing
- 4: influencing
- 5: very influencing
Infrastructure

Library and laboratory are more importance than other physical infrastructure to support alumni career.
Learning Experience

Academic competence is important to support alumni career
Extra & Co-Curricula

Academic and non-academic activities are important to achieve alumni competence.

Bar chart showing the influence of co-curricula and extra curricula on alumni competence. The chart indicates that co-curricula have a higher influence compared to extra curricula.


The chart shows that co-curricula have a higher percentage of respondents rating them as influencing or very influencing compared to extra curricula.
Academic activity is regarded more influencing than non-academic activity to support alumni career.
Perception of respondent on teaching quality and its correlation with other variables

For the overall score there are strong correlation between academic components with teaching quality to support alumni career.
Perception of respondent on work experience and its correlation with other variables

- Extra curricula
- Co-curricula
- Lab. Training
- Lecture material
- Physical infrastructure
- Library
- Teaching material
- Laboratory equipment
- Curricula & Sillby
- Academic atmosphere
- Dedication of lecture
- Quality of teaching
- Relationship with lecture

Physical infrastructure in campus is least correlated to the work experience to support alumni career.
Perception of respondent on extra-curricula and its correlation with other variables

Extra-curricula activity is less correlated to the factor (work experience & quality of teaching) which mostly support alumni career.
Overall Score Grouped by Alumni Income

<table>
<thead>
<tr>
<th>Category</th>
<th>High Income (&gt; 3 million)</th>
<th>Medium Income (1.5 - 3 million)</th>
<th>Low income (&lt; 1.5 million)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra-Curricula</td>
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<tr>
<td>Co-Curricula</td>
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<tr>
<td>Academic atmosphere</td>
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<tr>
<td>Infrastructure</td>
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<tr>
<td>Practical work</td>
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<tr>
<td>Laboratory work</td>
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<td>Library</td>
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<tr>
<td>Laboratory equipment</td>
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<td>Curricula</td>
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<td></td>
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<tr>
<td>Lecture dedication</td>
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<tr>
<td>Teaching quality</td>
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</tbody>
</table>

There is unequivocal perception on the alumni career regardless of current income.
Concluding Remarks

• Most influencing factors to the alumni career are:
  – Work experiences
  – Learning Quality
  – Library & laboratory infrastructures

• There was a strong indication that our current academic activities are regarded by the alumni have been on the right track to support graduate career and this leads to the importance of maintaining such activities.

• Nevertheless, as we have a new IQF’s law, reconstruction of learning outcomes and its compliance warrant immediate action to support the alumni career.
Thanks You