Postgraduate Students’ Perception on their Studies and Supervisors

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Abstract
Postgraduate candidates need to graduate on time (GOT). Failure to GOT among postgraduates is a loss to the nation. GOT should be analyzed from the postgraduate candidates’ perspectives. Therefore, this paper explores postgraduate students’ perspectives about their postgraduate studies. An adapted questionnaire survey was utilized to delve into the postgraduates’ perspective. This quantitative study involved 66 postgraduate candidates from public institutions of higher learning in Malaysia. Initial findings revealed that the candidates rated their supervisor at a higher rating compared to the skills they possessed. Besides, the correlation between critical reading skills and conceptual with research skills is moderately high.

Keywords: postgraduate study, perceptions, skills, supervisory factor, completion of the thesis.

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1.0 Introduction
All universities around the world are aiming to put their name at the top level. Hence, getting a good ranking becomes more competitive. One of the concerns to achieve this aim is to get a high success rate in graduate on time (GOT). Universities’ efforts on GOT have been getting public attention. Besides, many studies reported this issue. Among the numerous studies, about the duration to complete a postgraduate study, Berelson (1960) and Tuckman et al. (1990) made the comparison by stating that the duration for science-based was lower than non-science-based programs. It was reported that GOT for the sciences was six to seven years and for the social sciences was ten to eleven years. On the other hand, Schuman (2014) and Tuckman et al. (1990) had shared that without considering science or social science, the GOT rate was eight years to 10.5 years. Kinash et al. (2015) believed that the process of GOT should emphasize on the knowledge as well as experience obtained in the duration of the study, which would undoubtedly benefit job advancement. Contrarily, the accomplishment of masters or doctoral studies leads to the extension of candidates’ knowledge as well as the efficacy of supervision among postgraduate supervisors (Taylor & Beasley, 2005). Indirectly, well-monitored candidates will acquire positive skills that can pave the paths to explore various areas (Bozeman & Feeney, 2007). The supervision is always seen as a source of further improvement for postgraduate research skills. Sidhu, Kaur, Lim, and Chan (2017) suggested that a supervisory system should provide a holistic approach to communication between students and supervisors.

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Therefore, it is essential to ensure that postgraduate students understand themselves so that they can communicate with their supervisors. Besides, they need to understand their abilities in research skills because one-to-one supervision highly depends on the skills and cooperation of students. Students should recognize that the completion of a postgraduate study poses many challenges. Several studies have identified types of skills required for GOT among the postgraduate students as well as types of assistance required from their supervisors for GOT. Among the studies, there were reports highlighted that it was important for supervisors to provide feedback. The feedback could be in terms of building their research skills. Therefore, it is important to investigate the students’ research skills as well as their supervisory knowledge that will eventually lead to timely graduation. The research questions in this study are:

1. What are the postgraduate students' perceptions of their supervisors in completing a thesis?
2. What are the postgraduate students' perceptions of their skills in completing a thesis?

Thus, this preliminary study explored the expectations of the students regarding their postgraduate studies and their supervisors.

### 2.0 Literature Review

GOT has been included as one of the issues among universities widely. Among the issues, students’ matters have been raised for more attention. Sidhu et. al. (2017) has pointed out the postgraduate students’ roles in GOT succinctly. On the other hand, Burn (2000) illustrated students’ skills in writing thesis were related to supervision skills among their supervisors. Among the studies, it was highlighted that students have their responsibilities in the completion of their studies and at the same time their supervisors also played a major role in supporting and assisting their studies. More specifically, the students must track their progress (Manchester University, 2009). On top of this, Akerlind (2008), Lonka (2003), and Mohammad Sadegh (2016) declared that when composing a dissertation, a range of scholarly competences are expected, especially research skills. Defazio et al. (2010) found that while completing their degree programs, the skills are being refined. Lim, Sidhu, Chan, Lee, and Leele Susana Jamian. (2016) noted that with their writing skills, postgraduate students perceived themselves to be moderately ready. Nonetheless, when registering as postgraduate students, the students were in different states of emotion. Students who were highly motivated and ready to encounter all challenges became more skillful in managing their thesis writing compared to their counterparts (Picken, 2017). Nevertheless, their emotional state must be observed. Writing skills can worsen when high expectations of tasks are set. On the other hand, in terms of motivation, the students must keep themselves moving within their structure of studies. The Ph.D. structure of the research was always viewed as a mechanism in which candidates directed themselves despite having thesis supervisors to help them (Pyhältö, Toom, Stubb & Lonka, 2012). Hence, the students' self-discipline in monitoring themselves became the major factor for them to equip themselves with the ability to GOT. Essentially, oneself who possesses more self-discipline character, they show a high possibility to develop thesis skills as well as to complete tasks on time. Besides, students with sound research skills are categorized as a group of students who have a high opportunity to GOT. However, having qualified thesis supervisors should be emphasized too. For GOT, students are generally advised to work closely with their supervisors who are competent and qualified. Utterly, supervisors’ roles for GOT need more attention. By considering students' roles in achieving skills for GOT as well as supervisors' roles in assisting GOT, both students and supervisors need to keep a good connection to develop a wide range of skills efficiently. Besides readiness for a postgraduate study, skills like conceptualizing is crucial in the job market. These abilities are acquired while attending the course of masters or doctoral studies. The candidates who graduate successfully are categorized as self-reliant if they have the principle skills to promote themselves to secure a job. Aside from conceptualization, universities also have identified comprehension and critical thinking skills as important skills especially at the postgraduate level. These skills are all the essence of communication. (Masturah, Sidhu & Chan, 2013). The employers are having difficulties in obtaining talented staff as not many graduates possess all these skills.

### 3.0 Method

This study examined the postgraduate students’ perceptions towards their thesis writing journey. The data from a preliminary study at a government higher learning institution was used in this article. A quantitative survey research design was utilized to investigate the students' perceptions of their studies as well as their supervisors' roles. Meanwhile, the block sampling method was used. The choice of applying the block sampling allocated to the specific groups of students who were in the thesis writing process. The blocks consisted of 5 programs from a public university in Klang Valley. A block was randomly selected. It consisted of 66 respondents. The respondents answered the questionnaire online. According to Fraenkel, Wallen & Hyun (2010), to establish a significant analysis, a minimum of 50 samples is required. The instrument adapted from Sidhu et. al. (2016) consisted of a few sections, including demographic variables, supervisory factors, student factors, institutional factors, motivational factors, and challenges faced by students. However, this study focused on the student data and the supervisory factors in completing the study. Also, a few abilities were probed, such as communication and decision making, reading, writing, and analytical abilities. Meanwhile, the focus was also on the overall focus of supervision. The respondents responded to the five-point Likert scale survey items online. Two professors verified the validity of the instrument and led to the refinement of the instrument. The reliability check was done using Cronbach’s alpha. The instrument has a reliability of α=0.97 for students’ skills while α=0.96 for the supervisor factor. These coefficients are highly reliable as they concur with Cohen, Manion & Morrission (2007) that the alpha values more than 0.8 are considered highly reliable.
4.0 Results

The following findings are presented based on the research questions. The research questions focus on two main perceptions namely skills for completing thesis and supervisors’ involvement.

Table 1 shows that the students rated their supervisors’ involvement with a mean of 4.45 (standard deviation = 0.66). The rate is higher than their rating for evaluating their research skills with mean = 3.39 (standard deviation = 0.77).

4.1 Findings for research question one: ‘What are the postgraduate students’ perceptions of their supervisors in completing a thesis?’

The students' perceptions of their study is the focus of this study. Their perceptions need to be identified from related matters. Perceptions towards their studies in terms of their supervisors are always the focus. The following results indicate the postgraduate students’ overall perceptions of their supervisors’ supervision. Overall, they rated their supervisors positively with mean=4.45 and standard deviation=0.84). Regarding supervisors’ feedback, the postgraduate students were satisfied that their supervisors provided timely feedback (mean=4.47, standard deviation=0.66) and provided constructive feedback (mean=4.41, standard deviation=0.73); they were also satisfied that their supervisors’ availability (mean =4.36, standard deviation = 0.82) and their supervisors motivated them (mean=4.45, standard deviation=0.84). Regarding supervisors’ feedback, the postgraduate students reflected that their supervisors provided timely feedback (mean=4.47, standard deviation=0.66) and provided constructive feedback (mean=4.44, standard deviation=0.77). Also, they were happy with their supervisors’ concern, they also by rated them high in terms of ensuring them possess adequate research skills (mean =4.45, standard deviation=0.71) and always guiding them (mean =4.29, standard deviation = 0.82)

4.2 Findings for research question two: ‘What are the postgraduate students’ perceptions of their skills in completing a thesis?’

Table 3 shows a detailed analysis of the overall skills in Table 1. The result indicated that the overall skills shown by the postgraduate students were relatively low, with a mean of 3.39 and a standard deviation of 0.47. The results were analyzed according to the range in the Likert scale (1 to 5). The skills consisted of four skills that were the focus of this study. The skills were critical reading skills, writing skills, research skills, and conceptual skills. Table 3 displays the investigated skills. The skills were commonly applied among the students, particularly their preparedness to start on their postgraduate journey. Writing skills were recognized as the least gained skill. Similarly, the students also perceived that they possessed limited readiness in terms of critical reading skills. The result indicated that the candidates were not prepared to face all the demands of the studies.
Table 4 shows that the correlations among the skills. It was reported that the relationships were significantly related. The results presented that research skills and conceptual skills were highly correlated. The correlation coefficient value can be observed from research skills and conceptual skills (r=0.772 with p-value < 0.05). The correlation showed that research skills were moderately correlated with other skills. It was noticed that the research skills were moderately correlated with conceptual skills, critical reading skills, and writing skills. The respective coefficient correlations were r=0.772, r=0.711 and r=0.636. Also, conceptual skills show moderately high correlation with research skills, critical reading skills, and writing skills. The respective coefficient correlations were r=0.772, r=0.716 and r=0.675.

Table 4: Correlations among the skills

<table>
<thead>
<tr>
<th></th>
<th>Critical Reading Skills</th>
<th>Writing Skills</th>
<th>Research Skills</th>
<th>Conceptual Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Reading Skills</td>
<td>r=0.772</td>
<td>.649*</td>
<td>.711*</td>
<td>.716*</td>
</tr>
<tr>
<td>Sig. (2-tailed)</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
</tr>
<tr>
<td>Writing Skills</td>
<td>r=0.649</td>
<td>1</td>
<td>.636*</td>
<td>.675*</td>
</tr>
<tr>
<td>Sig. (2-tailed)</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
</tr>
<tr>
<td>Research Skills</td>
<td>r=0.711</td>
<td>.636*</td>
<td>1</td>
<td>.772*</td>
</tr>
<tr>
<td>Sig. (2-tailed)</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
<td>.000</td>
</tr>
<tr>
<td>Conceptual Skills</td>
<td>r=0.716</td>
<td>.675*</td>
<td>.772*</td>
<td>1</td>
</tr>
<tr>
<td>Sig. (2-tailed)</td>
<td>.000</td>
<td>.000</td>
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</tr>
</tbody>
</table>

5.0 Discussion and Conclusion

The students were in their first year of postgraduate study. Such students need more guidance from their supervisor as they rated themselves with low and moderate skills (mean =3.3858, standard deviation = 0.76653). The students yearned more assistance in their initial step towards a right and successful pathway for their postgraduate journey. Hence, the early nurturing process is expected from the supervisors (Durham, 2017). Specifically, the higher relationships were indicated among the important skills, namely among critical reading skills, writing skills, research skills, and conceptual skills. The relationships were in the range of 0.5 to 0.76. The results indicated that more time and effort should be focused among the postgraduate students. Specifically, the skills were interrelated. The skills were referred to as research skills and conceptual skills (with r=0.772). These two skills were partly responsible for GOT. These skills were related to thinking skills like to renew and restore information, rationalize problems as well as clarifying explanations about problems. These skills are necessary for writing, especially in the process of completing the thesis. Descriptively, the postgraduate candidates claimed their weakness was in their writing ability. Hence, to increase the students’ ability in writing, other skills were required. From the findings, the correlation of r=0.716 between critical reading and conceptual skills and r=0.711 between critical reading and research skills were considered moderately high which concurs with the study done by Sidhu et. al. (2016). The inadequacy in critical reading alters the students’ proficiency in research and conceptual skills. Therefore, it is crucial to prepare students with the necessary critical reading ability. Figure 1 illustrates the findings. The illustration shows that ability to develop reading skills is vital to develop research skills and conceptual skills. These two skills are required to strengthen and cultivate the writing skill.

![Figure 1: Developing writing skill](image_url)

Figure 1 coincides with the study done by Lim et al. (2016). On the other hand, the students were not confident with their critical reading skills and rating other skills low. This finding is in tandem with the outcome of Sidhu, Kaur, Lim, and Chan (2016) where many candidates have constraints especially in critical reading ability, which in turn does not help them to start their masters or doctoral journey.

Meanwhile, the importance of academic growth among postgraduate candidates to develop high-quality work was emphasized by Melati Sumari (2004). The development of this skill was emphasized for producing more GOT students. The skill refers to the required skills in conducting academic writing such as writing a thesis. Therefore, the result of this study has defined and showed a significant conceptual understanding of GOT increment. Besides, the results showed that there was a comparatively higher relationship between the important skills, namely conceptual and research skills. As such, the implication of this study is to ensure the research and conceptual skills must be targeted to achieve GOT. In terms of supervisors’ skills, the students rated this more than satisfactory. Descriptively, they perceived that their supervisors possess the required research skills. This perception reflected Hockey’s (1997)
finding that majority of postgraduate beginners depend on their supervisors’ involvement and assistance to guide them. Thus, they agreed that their supervisors were committed and responsible by guiding and providing them with feedback. They were not confident to rate the skills they possess to complete their study in the early stage, but they were more confident to rate their supervisors’ commitment to guide them. Hence, the postgraduate students found that the main challenge to them comes from themselves. They were not ready to present themselves in their study. In short, the students perceived that they have moderate skills to complete their postgraduate studies. They might be more concerned about their ability and skills to complete a task. Besides, they also perceived that their supervisors were ready to supervise them.

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