ENTREPRENEURIAL INTENTION AMONG UNDERGRADUATE STUDENTS USING THE ENTREPRENEURIAL INTENTION MODEL

Wan Rasyidah Wan Nawang*)1

*)Faculty of Economics and Muamalat, Universiti Sains Islam Malaysia Bandar Baru Nilai, 71800 Nilai, Malaysia

Abstract: This study investigated undergraduate students' entrepreneurial intentions using the Entrepreneurial Intention Model (EIM). The model was adapted from the Theory of Planned Behaviour (TPB). Three variables, namely professional attraction, social valuation, and entrepreneurial capacity were included in the study of entrepreneurial intention based on the EIM. This study applied a modified version of the Entrepreneurial Intention Question (EIQ) by Liñán and Chen. A convenience sample was drawn and a total of 136 students from Higher Education Institutions (HEIs) in Malaysia participated in the study. The questionnaire was distributed using Google forms through various social media applications such as WhatsApp, Twitter, and Facebook. The collected data was analysed using multiple linear regression analysis. Three hypotheses were generated in this study and the results showed that all three hypotheses were supported. Professional attraction, social valuation, and entrepreneurial capacity had an influence on university students' entrepreneurial intention. The results of this study showed that the students have a strong desire to become entrepreneurs and that they are interested in pursuing entrepreneurship as a career path in the future. Their social circles were also important to them, despite the fact that they were aware that entrepreneurship was not a high priority in their social circles. Apart from that, they are aware of the necessary skills, attitudes, and abilities to become entrepreneurs. This study is useful for higher learning institutions and governmental and non-governmental agencies to further enhance entrepreneurship development programs at the university level, particularly during the post-COVID-19 pandemic period.

Keywords: entrepreneurial capacity, entrepreneurial intention, entrepreneurial intention model, professional attraction, social valuation

Abstrak: Studi ini menyelidiki niat kewirausahaan mahasiswa sarjana menggunakan Model Niat Kewirausahaan (EIM). Model tersebut diadaptasi dari Theory of Planned Behavior (TPB). Studi ini menerapkan versi modifikasi dari Entrepreneurial Intention Question (EIQ) oleh Liñán dan Chen. Tiga variabel yaitu daya tarik profesional, penilaian sosial, dan kapasitas kewirausahaan dimasukkan dalam studi niat kewirausahaan berdasarkan EIM. Sampel kenyamanan diambil dan total 136 siswa dari Institusi Pendidikan Tinggi (HEI) di Malaysia berpartisipasi dalam penelitian ini. Kuesioner disebar menggunakan Google form melalui berbagai aplikasi media sosial seperti WhatsApp, Twitter, dan Facebook. Data yang terkumpul dianalisis dengan menggunakan analisis regresi linier berganda. Tiga hipotesis dihasilkan dalam penelitian ini dan hasilnya menunjukkan bahwa ketiga hipotesis didukung. Daya tarik profesional, penilaian sosial, dan kapasitas kewirausahaan memiliki pengaruh terhadap niat kewirausahaan mahasiswa. Hasil penelitian ini menunjukkan bahwa mahasiswa memiliki keinginan yang kuat untuk menjadi pengusaha dan mereka tertarik untuk menekuni kewirausahaan sebagai jalur karir di masa depan. Lingkaran sosial mereka juga penting bagi mereka, meskipun mereka sadar bahwa kewirausahaan bukanlah prioritas utama dalam lingkaran sosial mereka. Selain itu, mereka menyadari keterampilan, sikap, dan kemampuan yang diperlukan untuk menjadi pengusaha. Kajian ini bermanfaat bagi perguruan tinggi dan lembaga pemerintah maupun non pemerintah untuk lebih meningkatkan program pengembangan kewirausahaan di tingkat universitas, khususnya pada masa pasca pandemi COVID-19.

Kata kunci: kapasitas kewirausahaan, niat kewirausahaan, model niat kewirausahaan, daya tarik profesional, penilaian sosial

Article history:

Received 24 November 2022

Revised 6 December 2022

Accepted 16 January 2023

Available online 31 January 2023

This is an open access article under the CC BY license (https://creativecommons.org/licenses/by/4.0/)





Email: wrasyidah@usim.edu.my

¹Corresponding author:

INTRODUCTION

In the past decade and recent years, economic and political crises have become more frequent (McGuire, 2015), causing working conditions to be uncertain and unpredictable, leading to an increase in unemployment. Technological change is another reason for skyrocketing unemployment. Then came the COVID-19 health crisis in 2019, and in a short time, it hit the whole world severely and paralysed various sectors across industries, directly affecting the economic sector. The economic shock brought on by COVID-19 was three times worse than the one brought on by the 2008 financial crisis (Verick et al. 2022). During the pandemic, businesses have begun to dwindle in size, halt hiring, and reduce the workforce, making it difficult for graduates to obtain employment. It has been even more challenging for those who have just finished their studies, as they do not yet have work experience. The graduate labour market is also disproportionately impacted by these changes.

The COVID-19 recession of 2020 and the ongoing difficulties of 2021 have exacerbated the already terrible circumstances for graduates. In Malaysia, for instance, according to the Department of Statistics Malaysia (DOSM) (2021), the country saw its number of unemployed graduates rose to 4.4% during the pandemic in 2020 from 3.9% in 2019 and decreased to 4.1% in 2021. As the pandemic improved in 2022 compared to 2020 and 2021, along with the country shifting towards COVID-19 endemicity, the official statistics show a decrease in joblessness. Nevertheless, many graduates are still struggling to find jobs.

Ample research has been conducted to investigate the impact of COVID-19 on university students' entrepreneurial intentions. However, these studies vielded mixed and inconsistent results. example, Ruiz-Rosa et al. (2020) proved that social entrepreneurial intention declines in times of acute socioeconomic crisis and considerable uncertainty, such as those caused by COVID-19. In contrast, Lopes et al. (2021) reported that entrepreneurial activity did not decrease in the face of macroeconomic changes caused by the COVID-19 pandemic. On the positive side, Maritz et al. (2020) and Alvarez-Risco et al. (2021) stated that the pandemic environment generated abundant entrepreneurial opportunities and inspired people to pursue entrepreneurship instead of regular employment. Another study by Anik Puspa Ningsih et al. (2021) found that the number of entrepreneurs among university students significantly increased during the COVID-19 pandemic. This state of affairs creates a rich sine qua non for entrepreneurship among students (Sheng and Chen, 2022).

In addition to unfavourable economic, political, and health crisis conditions, the throng of graduates produced by higher education institutions (HEIs) has added to unemployment and job marketability issues. For instance, Malaysia's higher education development has grown monumentally, with 21 public-sector and 38 private-sector universities cumulatively producing over 200,000 graduates annually (Kadir et al. 2020). Yet, according to the Department of Statistics Malaysia (DOSM), one out of five graduates remain unemployed (Kadir et al. 2020), and nearly 60% continue to be unemployed one year after graduation based on a graduate tracer study report by the Ministry of Higher Education Malaysia (MOHE) (D'Silva, 2020).

Over the years, the problem has ballooned because fresh graduates enter a labour market crowded with the preceding year's unemployed graduates. The problem becomes more acute as the number of job seekers exceeds the number of job vacancies. As such, competition for jobs between graduates is intense, and many are still struggling to find employment. Therefore, alongside high unemployment, an under-employment situation occurs, in which there is a mismatch between employment opportunities and a graduate's skills and education level.

The absence of employment opportunities for graduates has persisted as a worldwide concern. Hence, many countries have begun to explore entrepreneurial initiatives as a means of facilitating job creation and developing inclusive economic growth. Consequently, entrepreneurship has been regarded as one of the solutions to graduates' unemployment problems and an essential element in spurring a country's economic growth, innovation, and development (Lim et al. 2021; Mengesha, 2020; Meyer and Meyer, 2017). As such, entrepreneurship, as a research field, has attracted the interest of many researchers. Although entrepreneurship and its potential impact, particularly on the economy, have been widely studied over the past two decades, the research field is still evolving and expanding (Neumann, 2021).

In studying entrepreneurship, the entrepreneurial intention is most often examined. Consequently, in the literature, immense studies have been conducted on the determinants and predictors of graduates' entrepreneurial intention (Abd Rahman et al. 2020; Ambad and Damit, 2016; Barba-Sánchez and Atienza-Sahuquillo, 2018; Harcharanjit et al. 2018; Mamun et al. 2017; Mengesha, 2020; Shamsudin et al. 2017; Tong et al. 2011; Usman, 2019; Yusof et al. 2013). Nevertheless, scant studies have focused on students' entrepreneurial intentions in catastrophic and uncertain situations, such as the COVID-19 pandemic (Hernández-Sánchez et al. 2020; Krichen and Chaabouni, 2022).

A cornucopia of literature has found that many factors contribute to students' entrepreneurial intention, such as personal attitudes and characteristics (Baharuddin & Ab Rahman, 2021; Fragoso et al. 2020; Mat et al. 2015; Vuong et al. 2020), subjective norms (Mat et al. 2015), locus of control (Mat et al. 2015), financial feasibility (Vuong et al. 2020), entrepreneurial education (Fragoso et al. 2020; Vuong et al. 2020), and psychological factors (Karimi et al. 2017; Rokhman & Ahamed, 2015). Yet there are few studies examining professional attraction, social valuation, and entrepreneurial capacity on entrepreneurial intention. These predictors are highlighted in the entrepreneurial intention model (EIM) developed by Liñán and Chen (2009).

This study was conducted among undergraduate students in Malaysia where entrepreneurship development is growing steadily. The objective of this study was to investigate undergraduate students' entrepreneurial intentions, particularly during the COVID-19 pandemic. In order to examine this objective, this study used an EIM adapted from the theory of planned behaviour (TPB). In addition, a revised version of the entrepreneurial intention questions (EIQ) established by Liñán and Chen (2009) was used to determine entrepreneurial intention among undergraduate students.

METHODS

This study used a questionnaire survey to assess undergraduate students' entrepreneurial intentions using EIM. The online questionnaire survey was distributed through Google Forms on several social media applications such as WhatsApp, Twitter, and

Facebook. A questionnaire method allows researchers to collect a large amount of data from a diverse group of people quickly, conveniently, and efficiently, and it is also economical. Additionally, the online survey was chosen because it has useful validation features that ensure respondent has completely answered all questions. Convenience sampling was used, and respondents were assured that their responses would be kept private and confidential. A total of 136 students enrolled in HEIs in Malaysia completed the survey questionnaires.

The questionnaire was divided into two sections. The first section contains general questions on the respondents' demographic information, such as gender and age. The second section consists of statement of agreement with entrepreneurial intentions, professional attraction, social valuation, and entrepreneurial capacity. All items were adopted from the modified version of the EIQ developed by Liñán and Chen (2009). The items were measured by asking respondents questions on a seven-point Likert scale. The data collected were analysed using multiple linear regression analysis.

Entrepreneurship is a dynamic process that requires formulating and implementing new ideas and solutions (Youssef et al. 2021). Therefore, studying and comprehending human behaviour to understand the spirit of entrepreneurship in individuals is crucial. Umpteen studies have examined entrepreneurial behaviour, and among the variables that best predict entrepreneurial behaviour is entrepreneurial intention (Lee and Wong, 2004; Salhi, 2018). Hence, studying entrepreneurial intention and the factors influencing entrepreneurial intention constitute a valid research area.

Entrepreneurial Intention

Individual entrepreneurial intention is a complicated topic to research (Krichen and Chaabouni, 2022). The reasons are owing to the numerous variables that influence intention (Nikou et al. 2019), such as purposeful behaviours underlying cognitive processes (Entrialgo and Iglesias, 2020) and the complexities of perception-based processes (Krueger and Carsrud, 1993). Therefore, scholars have defined entrepreneurial intention according to the context of their study. Unfortunately, the literature is divided on what constitutes entrepreneurial intention. However, Krueger et al. (2000) provided the most cited definition.

They decipher entrepreneurial intention as a potential entrepreneur's subjective attitude and expectation of whether or not to engage in entrepreneurship activities. Another popular definition was by Thompson (2009), who defined entrepreneurial intention as a person's self-declared desire to start a new business and to actively and consciously plan it for the future.

Researchers have used several theories and models to examine entrepreneurial intention. However, Azjen's TPB is the most popular and widely used (Barba-Sánchez et al. 2022), either in its original construct (Ferri et al. 2018) or with adaptations (Liñán et al. 2013). Other theories identified in the literature besides the TPB are Luthje and Franke's model, the entrepreneur event model, the social networking theory, and the EIM. Recently, the EIM developed by Liñán and Chen (2009) was adopted as a framework for examining entrepreneurial intention because it appears to be highly compatible (Krueger et al. 2000) and a more reliable model for forecasting entrepreneurial intention (Hoda and Fallatah, 2022). Thus, the EIM was employed in this study.

The EIM has roots in the TPB and focuses on an individual's internal processes and interactions with their surroundings to foster entrepreneurial intention (Srivastava et al. 2019). The model highlights professional attraction, social valuation, entrepreneurial capacity as antecedents for predicting entrepreneurial intention. To measure EIM, Liñán and Chen (2009) established the EIO. Among the studies utilising the EIM model were Logaiswari et al. (2020), Tegegn et al. (2016), and Hyder et al. (2011). They used the EIM to examine the differences in entrepreneurship intentions among students. They found a significant relationship between these three antecedents and entrepreneurial intention.

Professional Attraction

Professional attraction describes an individual's career aspirations, the type of profession they would decide and select based on the external environment from a medium to a long-term viewpoint, and whether being an entrepreneur appeals to them or otherwise. Previous studies by Logaiswari et al. (2020), Tegegn

et al. (2016), Rashid et al. (2012), Hunjra et al. (2011), Hyder et al. (2011), and Liñán and Chen (2006) found a significant relationship between professional attraction and entrepreneurial intention. Hence, the following hypothesis is proposed: H1: There is a significant relationship between professional attraction and entrepreneurial intention.

Social Valuation

Social valuation aims to ascertain whether being an entrepreneur is regarded more highly than other professions and careers in an individual's immediate social circle. It also aims to establish the degree to which society sees becoming an entrepreneur as favourable. Studies by Logaiswari et al. (2020), Tegegn et al. (2016), Hunjra et al. (2011) and Liñán and Chen (2006) provided evidence that social valuation influences entrepreneurial intention. Thus, it is hypothesised that: H2: A significant relationship exists between social valuation and entrepreneurial intention.

Entrepreneurial Capacity

Entrepreneurial capacity highlights an individual's ability to launch an entrepreneurial project or business. It also requires the capacity to effectively manage and oversee projects. Thus, an individual's traits and characteristics, like opportunity recognition, creativity, innovation, problem-solving, communication, and networking, are examined. Previous studies by Logaiswari et al. (2020), Tegegn et al. (2016), Rashid et al. (2012), Hunjra et al. (2011), Hyder et al. (2011), Liñán and Chen (2006), and Kim and Huruta (2022) reported that entrepreneurial capacity significantly influences entrepreneurial intention. Therefore, it is postulated that H3: There is a significant relationship between entrepreneurial capacity and entrepreneurial intention.

In summary, the dependent variable in this study is entrepreneurial intention and the independent variables are professional attraction, social valuation, and entrepreneurial capacity. The intended variables and the hypotheses developed for this study are presented in the conceptual framework in Figure 1.

RESULTS

Descriptive Analysis

The study sample comprised 136 students enrolled in HEIs in Malaysia. Of the 136 responses, 22.1% were male, and 77.9% were female. In addition, 83.1% were aged 20 years and below, and 16.9% were between 21 and 25 years of age. Of these participants, 66.9% were non-business students, and 33.1% were from business programs. The participants were also asked if anyone in their family was involved in the business, and the majority (51.5%) said yes. Finally, the majority of respondents (70.6 %) indicated that they seriously considered becoming entrepreneurs. Table 1 shows the respondents' profiles.

Reliability Analysis

Table 2 shows the reliability scores for all the variables measured in this study. The Cronbach's alpha scores for all items measuring each item were above 0.70, indicating high internal consistency.

Correlation Analysis

The descriptive analysis and intercorrelation values of each variable in the study are presented in Table 3. The descriptive statistics for the four variables show that all the factors ranged from 3.86 to 4.96, which according to Nunally and Berstein (1994) is between mediumhigh and high. This shows that the respondents are generally positive about professional attraction, social valuation, and entrepreneurial capacity and also intend to become entrepreneurs.

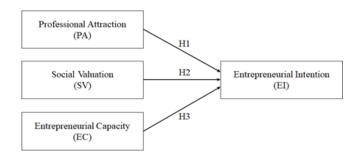


Figure 1. The framework

Table 1. The respondents' profile

Deganintion		N=	=136
Description	Frequency	Percentage	
Gender	Male	30	22.1
	Female	106	77.9
Age	Below 20	113	83.1
	21 - 25	23	16.9
Programme of study	Business	45	33.1
	Non-business	91	66.9
Does anyone in your family involve in business?	Yes	70	51.5
	No	66	48.5
Have you ever seriously considered becoming an entrepreneur?	Yes	96	70.6
	No	40	29.4

Table 2. Reliability scores

Measurement Items	No. of Items	Cronbach Alpha		
Entrepreneurial Intention (EI)	6	0.975		
Professional Attraction (PA)	8	0.916		
Social Valuation (SV)	3	0.934		
Entrepreneurial Capacity (EC)	6	0.953		

Following Hair et al.'s (2007) interpretation of correlation analysis, the intercorrelation values of students' entrepreneurial intentions, professional attraction, social valuation, and entrepreneurial capacity of the students were .70 and below, indicating that there is no evidence of multicollinearity.

Regression Analysis

A simple linear regression test was conducted to evaluate the prediction of professional attraction, social valuation, and entrepreneurial capacity on entrepreneurial intention. Before conducting a regression analysis, the regression assumptions of normality, linearity, independence, homoscedasticity, and multicollinearity were checked, and the results suggested that all assumptions had been met. Multiple regression analysis is used to test hypotheses (Hoyt et al. 2006), to predict the single dependent variable by a set of independent variables (Miah, 2016), and to determine the significant effect or influence of the independent variable on the dependent variable (Ndubisi, 2006).

Table 4 presents the model summary of the regression analysis. The R² is 0.664, which means that 66.4% of the independent variables of model 1 can explain entrepreneurial intention. The remaining 33.6% of the model is explained by other factors that can influence entrepreneurial intention.

As illustrated in Table 5, the F-ratio in the ANOVA table tests whether the overall regression model is a good fit to the data. The table shows that the independent variables statistically significantly predict the dependent variable, F(3, 132) = 86.840, p < .0005. As shown, professional attraction, social valuation, and entrepreneurial capacity all have a significant impact on entrepreneurial intention. Thus, this model is significant and useful for measuring the significance of the relationship between independent variables and the dependent variable.

Table 6 presents the coefficients table. The unstandardised coefficients indicate the extent to which the dependent variable varies with an independent variable when all other independent variables are held constant. Based on the results of the beta weights, all three variables showed significance, and all three hypotheses were supported.

Table 3. Descriptive statistics and correlation output among subscales

	Mean	SD	Entrepreneurial Intention (EI)	Professional Attraction (PA)	Social Valuation (SV)	Entrepreneurial Capacity (EC)
Entrepreneurial Intention (EI)	3.9324	1.52708	1.000			• • •
Professional Attraction (PA)	4.5625	1.28713	.703**	1.000		
Social Valuation (SV)	4.9681	1.55178	.404**	.685**	1.000	
Entrepreneurial Capacity (EC)	3.8627	1.38850	.774**	.707**	.510**	1.000

^{**)} Correlation is significant at the 0.01 level (2-tailed)

Table 4. Model Summary

Model			Adjusted R Square	Std. Error of the Estimate
1	.815ª	.664	.656	.89557

Predictors: (Constant), Professional Attraction (PA), Social Valuation (SV), Entrepreneurial Capacity (EC)

Table 5. ANOVA^a

Mode	1	Sum of Squares	df	Mean Square	F	Sig.
1	Regression	208.948	3	69.649	86.840	.000 ^b
	Residual	105.869	132	.802		
	Total	314.818	135			

a. Dependent Variable: Entrepreneurial Intention (EI)

a. Dependent Variable: Entrepreneurial Intention (EI)

b. Predictors: (Constant), Professional Attraction (PA), Social Valuation (SV), Entrepreneurial Capacity (EC)

Table 6. Coefficients

Model		Unstandardised Coefficients		Standardised Coefficients		C:-
		В	Std. Error	Beta	ι	Sig.
1	(Constant)	.095	.297		.322	.748
	Professional Attraction (PA)	.502	.100	.423	5.016	.000
	Social Valuation (SV)	170	.068	173	-2.498	.014
	Entrepreneurial Capacity (EC)	.620	.079	.564	7.892	.000

a. Dependent Variable: Entrepreneurial Intention (EI)

In H1, professional attraction is positively significantly related to entrepreneurial intention ($\beta = 0.502$, t = 5.016, p = .000). H2 was also supported by the significant negative relationship between social valuation and entrepreneurial intention ($\beta = -0.170$, t = -2.498, p = 0.014). Finally, H3 was supported, in which entrepreneurial capacity was found to significantly influence entrepreneurial intention ($\beta = 0.620$, t = 7.892, p = 0.000).

This study investigated students' entrepreneurial intention by utilising the EIM and the improved version of the EIQ by Liñán and Chen's (2009). Specifically, this study explored the relationship between professional attraction, social valuation, entrepreneurial capacity, and entrepreneurial intention. EIM states that human intentions are influenced by the environment in which they interact (Liñán and Chen, 2009). This theory predicts and explains a wide range of entrepreneurial intentions. Because entrepreneurship is the source of economic growth and job creation, it is critical to comprehend the factors that influence students' entrepreneurial intentions, especially in developing economies (Ezeh et al. 2019), such as Malaysia.

The descriptive analysis of the study found that even during the pandemic, students showed interest in becoming involved in entrepreneurship. Further analysis of the hypotheses using multiple regression analysis, this study found professional attraction, social valuation, and entrepreneurial capacity have a significant impact on entrepreneurial intention. These findings corroborate the findings of previous studies (Logaiswari et al. 2020; Tegegn et al. 2016; Rashid et al. 2012; Hunjra et al. 2011; Hyder et al. 2011; Liñán and Chen, 2006) indicating that entrepreneurial intention among students is associated with professional attraction, social valuation, and entrepreneurial capacity. Professional attraction was the most influential factor in entrepreneurial intention among all the behavioural categories, followed by entrepreneurial capacity and social valuation.

The first hypothesis (H1) was developed to examine the relationship between professional attraction and entrepreneurial intention. The results emphasised the critical role of professional attraction in shaping students' entrepreneurial intentions. The student's decision to become an entrepreneur or pursue an entrepreneurial career is highly determined by their desire and interest in doing so. The finding of H1 is in line with those of several studies (Logaiswari et al. 2020; Tegegn et al. 2016; Rashid et al. 2012; Hunjra et al. 2011; Hyder et al. 2011; Liñán and Chen, 2006).

The second hypothesis (H2) suggests that social valuation significantly determines entrepreneurial intention. Although this result supports H2, the relationship was negative. These findings echo that of the previous study by Hyder et al. (2021), indicating that social valuation is negatively correlated with students' entrepreneurial intention. As a result, entrepreneurship is not socially admired by students' close social networks or the society to which they belong. This result conveys that entrepreneurship must be further enhanced and promoted by providing appropriate consultancy and a platform to encourage and promote a sense of security among entrepreneurs.

The third hypothesis (H3) claims a significant relationship between entrepreneurial capacity and entrepreneurial intention, which is also found to have a significant positive relationship. Entrepreneurial capacity involves students' belief that they can control entrepreneurship through self-efficacy, opportunity recognition, creativity, innovation, problem-solving, communication, and networking. This finding is consistent with those of many previous studies (Logaiswari et al. 2020; Kim and Huruta, 2022).

Managerial Implications

This study also makes a practical contribution in that the findings can assist universities in developing actions that promote an even more robust environment that encourages entrepreneurial activities. In addition, this research is equally helpful for the government in providing HEIs students and the general public with more accurate and valuable entrepreneurship information and guidance. As a result, they may make more informed decisions, and people with entrepreneurial aptitudes and ideas could be encouraged to take on business ventures, helping to boost economic activity and restart the economy. In addition, the communication gap between practitioners, industry players, and SMEs must be narrowed further. Their roles must be made more effective in encouraging entrepreneurship among young people.

Theoretically, this study adds to the burgeoning literature in the area of entrepreneurship. The present study solidifies the EIM using the EIQ proposed by Liñán and Chen (2009) to confirm the students' entrepreneurship context. The study concluded that professional attraction was the strongest predictor of entrepreneurial intention among undergraduate students, followed by entrepreneurial capacity and social valuation. In practice, the research findings help students looking for work better understand the current employment situation and market opportunities, allowing them to make more informed career decisions.

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Unemployment among graduates in Malaysia is not new. It has been an issue for a long time, with many contributing factors, such as the country's unstable economic and political situation and prolonged health crisis. In acknowledging this issue and the hardships that graduates face, the Malaysian government has continuously put concerted efforts and resources into producing balanced and holistic graduates. Various efforts have been made to introduce entrepreneurship education into HEIs. The objective is to stimulate new employment, resulting in the acceleration of economic development and innovative talent, which are important driving forces for future growth.

Uncertain economic and unstable political conditions and the COVID-19 pandemic have markedly affected many people, including university students. This study

aimed to determine the entrepreneurial intention of undergraduate students. By combining theoretical research with empirical data collected through questionnaires, this study found that professional attraction, social valuation, and entrepreneurial capacity influence entrepreneurial intention among university students.

This study is based on undergraduates' perceptions about entering the workforce. This study produced interesting results for undergraduate students. First, there was a high intention to become entrepreneurs. Second, the attraction to choose entrepreneurship as a profession for their future career plans and third, the awareness that entrepreneurship is less valued among their social networks. Finally, they are mindful of the skills, attitudes, and abilities to embark on entrepreneurship.

Recommendations

There are some limitations to this study. The first limitation was the small number of participants in the survey (136 respondents). The second limitation was that the study used convenience sampling. Hence, it cannot be generalised to a country's entire population. In order to address these limitations, future studies should expand the sample size and investigate the various reasons for the differences in entrepreneurial intention across demographic groups. A comparative study of the entrepreneurial intentions of undergraduate students in other ASEAN countries or developing countries can also be conducted in the future. Third, the study was conducted during the COVID-19 pandemic. Subsequent research is vital to assess entrepreneurial intention during the post-pandemic or endemic transition period. It is also suggested that other variables be included, such as entrepreneurial knowledge, entrepreneurial experience, and educational support.

ACKNOWLEDGEMENT

The author would like to thank Che Ku Muhammad Aiman Che Ku Abu Bakar, Hanis Safia Ahmad Azahari, Muhammad Irfan Amir Mohd Taufik, and Siti Nurannisa Mohd Roslan for their help with the data collection.

REFERENCES

- Abd Rahman N et al. 2020. The issue of graduate unemployment in Malaysia: Post Covid-19. *International Journal of Academic Research in Business and Social Sciences* 10(10):834–841. https://doi.org/10.6007/IJARBSS/v10-i10/7843
- Ambad SNA, Damit, DHDA. 2016. Determinants of entrepreneurial intention among undergraduate students in Malaysia. *Procedia* 37(2016): 108–114. https://doi.org/10.1016/S2212-5671(16)30100-9
- Baharuddin G. Ab Rahman A. 2021. What is the most effective antecedent for developing entrepreneurial intention among Muslim youth in Indonesia?. *Entrepreneurial Business and Economics Review* 9(1): 75–88. https://doi.org/10.15678/EBER.2021.090105
- Barba-Sánchez V, Atienza-Sahuquillo C. 2018. Entrepreneurial intention among engineering students: The role of entrepreneurship education. *European research on management and business economics* 24(1): 53–61. https://doi.org/10.1016/j.iedeen.2017.04.001
- Anik Puspa Ningsih NL et al. 2021. The rise of young entrepreneurs in the Covid-19 pandemic. *Academy of Entrepreneurship Journal* 27(5).
- Alvarez-Risco A et al. 2021. Factors affecting green entrepreneurship intentions in business university students in COVID-19 pandemic times: Case of Ecuador. *Sustainability* 13(11):6447. https://doi.org/10.3390/su13116447
- D'Silva V. 2020. More and more graduates are facing unemployment in Malaysia. https://Www. Nst.Com.My/News/Nation/2020/02/562309/ More-And-More-Graduates-Are-Facing-Unemployment-Malaysia. [3 Feb 2020].
- Department of Statistics Malaysia. 2021. Key statistics of labour force in Malaysia, October 2021. https://www.dosm.gov.my/v1/index.php?r=column/cthemeByCat&cat=124&bul_id=VkVveHlUWm5MMTlkc3oxK2svL00rUT09&menu_id=Tm8zcnRjdVRNWWlpWjRlbmtlaDk1UT09 [8 Dec 2021].
- Entrialgo M, Iglesias V. 2020. Entrepreneurial intentions among university students: the moderating role of creativity. *European Management Review* 17(2): 529–542. https://doi.org/10.1111/emre.12386
- Ezeh PC, Nkamnebe AD, Omodafe UP. 2019. Determinants of entrepreneurial intention among undergraduates in a Muslim community.

- Management Research Review 43(8): 1013–1030. https://doi.org/10.1108/MRR-09-2018-0348
- Ferri L et al. 2018. Exploring the entrepreneurial intention of female students in Italy. *Journal of Open Innovation: Technology, Market, and Complexity* 4(3): 27. https://doi.org/10.3390/joitme4030027
- Fragoso R, Rocha-Junior W, Xavier A. 2020. Determinant factors of entrepreneurial intention among university students in Brazil and Portugal. *Journal of Small Business & Entrepreneurship* 32(1): 33–57. https://doi.org/10.1080/08276331.2018.1551459
- Hair et al. 2007. *Research Methods For Business*. New York: John Wiley & Sons, Inc.
- Harcharanjit S et al. 2018. Unemployment among university graduates and entrepreneurial intentions. *The Turkish Online Journal of Design, Art and Communication*, 3040-3053.
- Hernández-Sánchez BR, Cardella GM, Sánchez-García JC. 2020. Psychological factors that lessen the impact of covid-19 on the self-employment intention of business administration and economics' students from Latin America. *International Journal of Environmental Research and Public Health* 17(15): 5293. https://doi.org/10.3390/ijerph17155293
- Hoda N, Fallatah M. 2022. Social networking site usage, social capital and entrepreneurial intention: An empirical study from Saudi Arabia. *The Journal of Asian Finance, Economics and Business* 9(5): 421–429.
- Hoyt WT, Leierer S, Millington MJ. 2006. Analysis and interpretation of findings using multiple regression techniques. *Rehabilitation Counseling Bulletin* 49(4): 223–233. https://doi.org/10.1177/00343552060490040401
- Hunjra AI et al. 2011. Factors influencing intention to create new venture among young graduates. *Africa Journal of Business Management* 5(1): 121–127. https://doi.org/10.2139/ssrn.1944685
- Hyder A et al. 2011. Entrepreneurial intentions among business students in Pakistan. *Journal of Business Systems, Governance and Ethics* 5(2): 13–21. https://doi.org/10.15209/jbsge.v5i2.181
- Kadir JMA, Naghavi N, Subramaniam G. 2020. Unemployment among graduates-Is there a mismatch? *International Journal of Asian Social Science* 10(10): 583–592. https://doi.org/10.18488/journal.1.2020.1010.583.592

- Karimi S et al. 2017. Testing the relationship between personality characteristics, contextual factors and entrepreneurial intentions in a developing country. *International Journal of Psychology* 52(3): 227–240. https://doi.org/10.1002/ijop.12209
- Kim MS, Huruta AD. 2022. The factors affecting entrepreneurial intention: Why do perceived entrepreneurial capacity, perceived social norm, and attitude towards entrepreneurship matter? *Review of Integrative Business and Economics Research* 11(3): 99–106.
- Krichen K, Chaabouni H. 2022. Entrepreneurial intention of academic students in the time of COVID-19 pandemic. *Journal of Small Business and Enterprise Development* 29(1): 106–126. https://doi.org/10.1108/JSBED-03-2021-0110
- Krueger NF, Carsrud AL. 1993. Entrepreneurial intentions: Applying the theory of planned behaviour. *Entrepreneurship & Regional Development* 5(4): 315–330. https://doi.org/10.1080/08985629300000020
- Krueger Jr NF, Reilly MD, Carsrud AL. 2000. Competing models of entrepreneurial intentions. *Journal of Business Venturing* 15(5-6): 411–432. https://doi.org/10.1016/S0883-9026(98)00033-0
- Lee SH, Wong PK. 2004. An exploratory study of technopreneurial intentions: A career anchor perspective. *Journal of Business Venturing* 19(1): 7–28. https://doi.org/10.1016/S0883-9026(02)00112-X
- Lim HE, Soon JJ, Duan H. 2021. Does entrepreneurial career choice lessen the graduate unemployment problem? The case of Malaysian graduates. *Global Business Management Review* 13(1): 37–56. https://doi.org/10.32890/gbmr2021.13.1.3
- Liñán F. Chen YW. 2006. Testing the entrepreneurial intention model on a two-country sample. https://idus.us.es/bitstream/handle/11441/60716/Testing_the_entrepreneurial_intention_model.pdf?sequence=1.
- Liñán F, Chen YW. 2009. Development and crosscultural application of a specific instrument to measure entrepreneurial intentions. *Entrepreneurship Theory and Practice* 33(3): 593–617.
- Liñán F, Nabi G, Krueger N. 2013. British and Spanish entrepreneurial intentions: A comparative study. *Revista de economía Mundial* (33): 73–103.
- Logaiswari I, Ramanathan S, Ramdas M. 2020. The influence of cognitive values on entrepreneurial

- intention among polytechnics students in Malaysia. *International Journal of Advanced Science and Technology* 29: 1871–1877.
- Lopes JM et al. 2021. Entrepreneurial intention before and during COVID-19 A case study on Portuguese university students. *Education Sciences* 11(6): 273.
- Mamun AA et al. 2017. Entrepreneurial intention and startup preparation: A study among business students in Malaysia. *Journal of Education for Business* 92(6): 296–314.
- Maritz A et al. 2020. Entrepreneurship as the unsung hero during the current COVID-19 economic crisis: Australian perspectives. *Sustainability* 12(11): 4612.
- Mat SC, Maat SM, Mohd N. 2015. Identifying factors that affecting the entrepreneurial intention among engineering technology students. *Procedia-Social and Behavioral Sciences* 211:1016–1022.
- McGuire DA. 2015. Economic crisis, quality of work, and social integration: The European experience. *Employee Relations* 37(5): 623–626.
- Mengesha BT. 2020. Determinants of entrepreneurial intention towards self-employment in the case study of Arba Minch University graduating class students. *Management* 10(1): 23–24.
- Meyer N, Meyer DF. 2017. An econometric analysis of entrepreneurial activity, economic growth and employment: The case of the BRICS countries. *International Journal of Economic Perspectives* 11(2): 429–441.
- Miah AQ. 2016. Multiple regression. In *Applied Statistics for Social and Management Sciences* (pp. 233-244). Springer, Singapore.
- Neumann T. 2021. The impact of entrepreneurship on economic, social and environmental welfare and its determinants: A systematic review.

 Management Review Quarterly 71(3): 553–584.
- Nunnally JC, Berstein I H. 1994. *Psychometric theory*. 3rd ed.: McGraw-Hill: New York.
- Oly Ndubisi N. 2006. Effect of gender on customer loyalty: a relationship marketing approach. *Marketing intelligence & planning* 24(1): 48–61.
- Rashid UK *et al.* 2012. Entrepreneurial intentions among technical students. *American Journal of Economics* June: 73–76.
- Rokhman W, Ahamed F. 2015. The role of social and psychological factors on entrepreneurial intention among Islamic college students in Indonesia. *Entrepreneurial Business and Economics Review* 3(1): 30.

- Ruiz-Rosa I, Gutiérrez-Taño D, García-Rodríguez FJ. 2020. Social entrepreneurial intention and the impact of COVID-19 pandemic: A structural model. *Sustainability* 12(17): 6970. https://doi.org/10.3390/su12176970
- Salhi B. 2018. Impact of personal motivation on the intention and behaviour of social entrepreneurs. *Journal of Entrepreneurship Education* 21(3): 1–15.
- Shamsudin SFFB *et al.* 2017. Factors affecting entrepreneurial intention among the Malaysian university students. *The Journal of Developing Areas* 51(4): 423–431.
- Sheng F, Chen Y. 2022. The effect of COVID-19 on college students' entrepreneurial intentions. *Frontiers in Psychology* 13:1–10. https://doi.org/10.3389/fpsyg.2022.870705
- Srivastava S, Satsangi K, Satsangee N. 2019. Identification of entrepreneurial education contents using nominal group technique. *Education* + *training* 61 (7/8): 1001–1019. https://doi.org/10.1108/ET-05-2018-0105
- Tegegn T, Paulos M, Desalegn Y. 2016. Determinants of entrepreneurial intention among prospective graduates of higher institutions case of Wolaita Sodo University. *Journal of Education and Practice* 7(16): 46–53.
- Thompson ER. 2009. Individual entrepreneurial intent: Construct clarification and development of an internationally reliable metric. *Entrepreneurship theory and practice* 33(3): 669–694. https://doi.org/10.1111/j.1540-6520.2009.00321.x

- Tong XF, Tong DYK, Loy LC. 2011. Factors influencing entrepreneurial intention among university students. *International Journal of Social Sciences and Humanity Studies* 3(1): 487–496.
- Usman B. 2019. Understanding the entrepreneurial intention among international students in Turkey. *Journal of Global Entrepreneurship Research* 9(1): 1–21. https://doi.org/10.1186/s40497-018-0136-0
- Verick S, Schmidt-Klau D, Lee S. 2022. Is this time really different? How the impact of the COVID-19 crisis on labour markets contrasts with that of the global financial crisis of 2008-09. *International Labour Review* 161(1): 125–148.
- Vuong BN et al. 2020. A model of factors affecting entrepreneurial intention among information technology students in Vietnam. *Journal of Asian Finance, Economics and Business* 7(8): 461–472. https://doi.org/10.13106/jafeb.2020. vol7.no8.461
- Yusof N, Mat Lazim N, Jamaluddin Z. 2013. Undergraduate students prediction of graduate entrepreneurship development program: The case of Universiti Sains Malaysia (USM). *International Journal of Environment, Society and Space* 1(1): 42–61.
- Youssef AB et al. 2021. Digitalisation of the economy and entrepreneurship intention. *Technological Forecasting and Social Change* 164: 120043. https://doi.org/10.1016/j.techfore.2020.120043