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Economics, Business, and Islamic Finance in ASEAN Economics Community Patricia Ordoñez de Pablos The University of Oviedo, Spain Mohammad Nabil Almunawar Universiti Brunei Darussalam, Brunei Muhamad Abduh Universiti Brunei Darussalam, Brunei A volume in the Advances in Finance, Accounting, and Economics (AFAE) Book Series Published in t he United St ates of Amer ica by IGI Global Business Science Reference (an impr int of IGI Global) 701 E. Chocolate Avenue Hershey PA, USA 17033 Tel: 717-533-8845 Fax: 717-533-8661 E-mail: cust@igi-global.com Web site: http://www.igi-global.com Copyr ight © 2020 by IGI Global. All r ights reser ved.

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Underst anding t hese changes as well as t he factors t hat inf luence t hem is cr ucial in prepar ing for our f inancial future and ensur ing economic sust ainability and g rowt h. The Advances in Finance, Accounting, and Economics (AFAE) book ser ies aims to publish comprehensive and infor mative titles in all areas of economics and economic t heor y, f inance, and accounting to assist in advancing t he available knowledge and providing for fur t her research development in t hese dynamic f ields.

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Organizational.Factors.and.t he.Success.of.Technology.Transfer

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 , School of Business and Economics, Universiti Br unei Dar ussalam, Br unei Ruzanna Ramli , City University Mala ysia, Mala ysia Chapter 15 Financial.Accessibility.and.Small-Medium.Enter pr ises.(SMEs).in.Malaysia:. The.Role.of.Crowdfunding.and.Islamic.Finance

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	zational.Factors.and.t he.Success.of.Technology.Transfer

1 Md Zahidul Islam , Universiti Br unei Dar ussalam, Br unei Safa yet Rahman , Southeast University, Bangladesh This. chapter. discusses. t he. relationship. between. organizational. culture,. str ucture,. complexity. of. technology,. and. t he. success. of. technology. transfer.. Technology. is. one. of. t he. key. competitive. advant ages. of. any. organization. and. plays. an. impor t ant. role. in. t he. success. of. bot h. inter national. and. domestic. fir ms.. Technology. can. be. transfer red. wit hin. t he. boundar ies. of. an. organization,. outside. of. organizational. boundar ies. wit h. strategic. par tners. and. also. across. national. boundar ies.. As. it. transcends. national. borders,. difficulties. in. transfer r ing. technology.

of. Small. and. Medium. Enter pr ises. (SMEs). in. suppor ting. Indonesian. economic. activity. are. significant.. SMEs. face. many. obst acles. in. t heir. business. development.. Empower ment. of. SMEs. in. Bogor. by. local. gover nments. car r ied. out. in. conjunction. wit h. t he. Depar tment. of. Cooperatives. and. SMEs.. This. study. est ablishes. t he. spatial. model. design. of. SMEs. in. Bogor. area. to. improve. t he. competitiveness. ? of. products. in. Bogor. city.. The. analysis. shows. t hat. SMEs. in.

Bogor. city. is. still. in. t

he.phase.of.development,.market.penetration,.and.also.product.development..The. model. shows. t he. average. per for mance. index. of. SMEs. in. Bogor. is. only. 62.29,. 19. among. 41. have. index. values.

about. 50.. From. t he. competitiveness. analysis,. aut hors. could. see. t hat. among. 41. SMEs. can. be. categor ized. in. 4. quadrants.. Strategic. prog ram. could. be. developed. based. on. t he. position. in. t he. quadrant.. It. can. be. concluded. t hat. in. general. SMEs. in. Bogor. city. have. not. been. ready. for. inter nationally. competition.. Gover nment. should. develop. specific. strategy. for. each. SMEs. based. on. t he. quadrant. position.defined.by.t he.model Chapter 3 Explor ing.t he.Entrepreneur ial.Motivations.and.Bar r iers.of.Ag r ipreneurs.in. Br unei.Dar ussalam

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31 Siti Fatimahwati Pehin Dato Musa , Universiti Br unei Dar ussalam, Br unei Pg Siti Rozaidah Pg Hj Idr is , Universiti Br unei Dar ussalam, Br unei Khair ul Hida yatullah Basir , Universiti Islam Sultan Shar if Ali, Br unei This. study. explores. t he. motivations. and. institutional. bar r iers. of. local. ag r ipreneurs. who. are. involved. in. different. branches. of. ag r iculture. in. Br unei.. Descr iptive. analysis. and. t hematic. analysis. were. per for med. to. analyse. t he. dat a.. The. ag r ipreneurs. in. t he. study . consider . t heir . venture . into . ag r iculture . as . an . act . of . symbolic . nationalistic . suppor t. whereby. t hey. envision. Br unei. to. be. a. nation. less. reliant. on. food. impor ts,. in. line.

wit h. t he. countr y's. vision. or. better. known. as. Wawasan. 2035.. In. addition,. t heir. motivation. is. also. based. on. Islamic. values. wit h. t he. intention. of. seeking. lawful. ear ning. and. a. pat h. to. a. blessed. monet ar y. and. hereaf ter. rewards.. The. main. problems. faced. by. t he. ag r ipreneurs. are. lack. of. access. to. finance,. lack. of. infrastr ucture. and. technology,. and. lack. of. exposure.. The. research. on. local. ag r ipreneurs. in. t he. context. of. Br unei. is. scarce,. t hus. t his. chapter. provides. a. better. underst anding. of. t heir. motivations. and. constraints. for. Br unei. to. realize. t he. potential. of. t he. ag r iculture. sector. as. an. import ant. dr iver.of.t he.economy.and.t

hus.develop.t he.sector.fur t her. Chapter 4 Empower

ing.Community.Through.Entrepreneurship.Training.and.Islamic. Micro-Financing:.Shar ing.t he.Exper ience.of.IIUM-CIMB.Islamic.Smar t. Par tnership.(i-Taajir)

Islamic University Mala ysia, Mala ysia Mustafa Omar Mohammad , Inter national Islamic University Mala ysia, Mala ysia Mohammed Aslam Haneef , Inter national Islamic University Mala ysia, Mala ysia Mohammed Aslam Haneef , Inter national Islamic University Mala ysia, Mala ysia ? C o m m u n i t y . e c o n o m i c . d eve l o p m e n t s . a . re l a t i ve ly . n ew . st ra t e g y . e mp l oye d . to. increase. employment,. income,. and. entrepreneurship. activities. in. small. town. and. communities.. The. Centre. for. Islamic. Economics,.

Inter national. Islamic. University. Malaysia. (IIUM). has. initiated. a. smar t. par tnership. wit h. CIMB. Islamic. Bank. to. offer. entrepreneurship. training. and. Islamic. microfinance. facility. to. t he. poor. in. Malaysia.. This. project. adopts. several. modes. of. Islamic. microfinance. financing. instr uments. which. include. equity-based. and. debt-based. financing.. The. prog ram. aims. to. educate. t he. communities. sur rounding. t he. IIUM. campus. wit h. entrepreneurship. knowledge. and. skill. in. addition. to. giving. Shar iah-compliant. micro-financing. facility. for. t hem. to. implement. t heir. business. ideas.. CIMB. Islamic, which. is. t he. main. par tner. for. t his. project, provides. funds. for. Islamic. microfinance. facilities.

Malaysia. leads. t he. halal. industr y. globally. and. considered. to. be. t he. global. halal. hub.. Simult aneously, t he. market. is. g rowing. tremendously. in. ot her. member. countr ies. as. well.. It. has. been. realized. t hat. a. number. of. dr iving. forces. are. responsible. for. boosting. t he. expansion. of. Halal. industr y. globally. as. well. as. in. ASEAN.. While. t here. are. a. number. of. factors. accelerating. t he. g rowt h. of. t he. Halal. industr y, t here. are. many. limit ations. and. challenges. t hat. are. hinder ing. t he. market. expansion.. Therefore, t his. chapter. introduces. t he. over view. of. Halal. industr y. globally. as. well. as. in. ASEAN. counties.. The. chapter. explores. t he. oppor tunities.

Jamil , College IGS Br unei Dar ussalam, Br unei Muhammad Anshar i , Universiti Br unei Dar ussalam, Br unei ? This . chapter . evaluates . food . secur ity . policies . and . extension . policies . to . t he . achievement. of. t argets. and. t he. results. of. a. development. prog ramme. such. as. Food. Self. Sufficiency. village. (DMP). used. Par ticipator y. Pover ty. Assessments. (PPA).. The. output. obt ained. is. infor mation. t hat. is. an. evaluation. of. how. t he. policy. was. planned,. initiated,. and. implemented.. Par ticipator y. Pover ty. Assessments. (PPA). monitor ing. and. evaluation. analyse. t he. outcome. and. impact. of. t he. DMP. Prog ramme.. The. output. of. t he. PPA. process. from. t his. chaper. is. t he. ag r icultural. policy.

for mulated. in. ter ms. of. practical. ways. of. approaching. pover ty. problems. from. a. local. perspective.. The. success. of. alter native. policy. options. applied. by. local. gover nment. such. us. Physical,. Human. Resources,. Institution. development. at. t he. g rassroots. level. should. be. adopted. at. t he. national. level.. It. should. represent. t he. best. example. of. a. case. of. successful. prog ramme. implement ation. at. t he. g rassroots. level. which. can. t hen. be. used. in. for mulating. national. policies.and.strategies. Chapter 7 The.Study.of.Digit al.Marketplace.in.Br unei.Dar ussalam

128 Alif Azizi Abdullah , Universiti Br unei Dar ussalam, Br unei Mohammad Nabil Almuna war , Universiti Br unei Dar ussalam, Br unei Muhammad Anshar i , Universiti Br unei Dar ussalam, Br unei A. two-sided. market. or. two-sided. network. is. made. up. of. two. distinct. user. g roups. t hat. provide. each. ot her. wit h. network. benefits. in. which. t hey. interact. t hrough. an. inter mediar y. or. platfor m.. A. digit al. marketplace. makes. use. of. a. two-sided. market. where. t he. two. distinct. g roups. are. t he. buyers. and. sellers.. A. digit al. marketplace. is. a. type. of. e-commerce. site. where. t he. sellers. offer. products. or. ser vices. to. t he. buyers,. and. transactions. are. controlled. and. processed. by. marketplace. operators..

Wit h. t he. rapid. development. and. adoption. of. t he. Inter net. and. digit al. marketplace. globally. and. also. regionally,. businesses. in. Br unei. Dar ussalam. are. slowly. incor porating. digit al. marketplace.. This. chapter. provides. an. over view. of. t he. cur rent. st ate. of. t he. digit al. marketplace. in. Br unei,. and. t hus,. case. studies. of. local. digit al. marketplaces. are. discussed.. A. qualit ative. approach,. which. consists. of. inter views. wit h. companies,. is. made. for. t he. study.. The. strengt hs. and. problems. of. employing. digit al. marketplace. for. businesses. and. analysis. using. Michael. Por ter's. five. models. is. also. covered. in. t his.chapter. Chapter 8 A.Study.of.Quality.Tools.and.Techniques.for.Smar t.Manufactur ing.in. Industr y.4.0.in.Malaysia:.The.Case.of.Nor t her n.Cor r idor.Economic.Region 155 Mohd Syaiful Rizal Abd Hamid , Universiti Teknik al Mala ysia Melak a, Mala ysia Saifuddin Isa , Universiti Teknik al Mala ysia Melak a, Mala ysia Che w Boon Cheong , Universiti Teknik al Mala ysia Melak a, Mala ysia ? This. chapter. explores. t he. key. factors. for. selecting. quality. tools. and. techniques. in. industr ial. revolution. 4.0,. par ticularly. in. t he. smar t. manufactur ing. context.. What. are. t he. factors. deter mining. which. quality. tools. and. techniques. are. more. applicable. in. specific. circumst ances. related. to. quality. per for mance. in. Industr ial. Revolution. 4.0?. To. answer. t his. question,. aut hors. employ. a. multiple. case. study. and. an. in-dept h. literature. review. as. t he. research. design. approach..

Two. key. dat a. collection. met hods. (qualit ative. met hods). are. used:. (1). Pr imar y. dat a. from. face-to-face. inter views. wit h. Toyo. Memor y. Technology. and. Intel. Malaysia. (2). Secondar y. dat a. from. previous. studies.. This. review,. coupled. wit h. t he. case. study. analysis,. leads. to. t he. identification. of. t he. real. implement ation. of. quality. tools. and. techniques. in. t he. industr ies.. The. chapter. can. enhance. t he. reader. underst anding. of. Industr ial. Revolution. 4.0. and. quality. management. practices. as. well. as. highlight. oppor tunities. for. fur t her. research. Chapter 9 Et hnicity.and.Household.Savings.in.Indonesia

186 Shochr ul Rohmatul Ajija , Universitas Airlangga, Indonesia Muhamad Abduh , School of Business and Economics, Universiti Br unei Dar ussalam, Br unei Wasiatur rahma Wasiatur rahma , Universitas Airlangga, Indonesia Ahmad Hudaifah , Universitas Inter nasional Semen Indonesia, Indonesia Household. saving. is. ver y. impor t ant,. not. only. for. secur ing. t he. future. spending. of. t he. family. but. also. for. t he. countr y's. economy.. Using. t he. logit. analysis. on. dat a. of. The. Indonesia. Family. Life. Sur vey. (IFL S). wave. t hree,. four,. and. five,. t his. chapter. analyzes. factors. influencing,. especially. t he. role. of. et hnicity,. upon. t he. household. savings. in. Indonesia.. The. result. indicates. t hat. gender,. location,.

and. level. of. education. are. t he. consistent. var iables. affecting. t he. household. saving. behaviour. in. Indonesia. across. t he. t hree. wave. sur veys.. Meanwhile,. as. for. t he. et hnic. g roup. var iable,. t here. are. only. Sunda,. Bat ak ,. and. Bima-Dompu. t hat. can. significantly. influence. t he. people's. saving. behavior.across.t he.t hree.wave.sur veys. Chapter 10 Strengt hening.Islamic.Finance.in.Sout

t he. so-called. 'Four t h. Industr ial. Revolution'. which. is. t he. movement. towards. combining. ever yday. aspects. of. our. lives,. such. as. finance,. into. t he. digit al. realm. t hat. will. help. increase. speed,. efficiency,. and. convenience.. The. most. significant. challenge. for. all. countr ies. pursuing. Fintech. is. regulating. t he. industr y.. Following. t he. issuance. of. t he. Financial. Sector. Bluepr int,. t he. Fintech. Unit. was. est ablished. under. Autor iti. Monitor i. ? Br unei. Dar ussalam. (AMBD).. AMBD. envisions. a. vibrant. economy. powered. by. ICT. t hrough. ICT-Smar t. Citizens. as. well. as. being. a. connected. and. efficient. nation.. This. chapter. discusses. t he. application. of. Fintech. specifically.

in. Islamic. finance. sector. based. on. t he. descr iptive. met hod. of. research. by. concentrating. on. its. regulations.. At. t he. end,. t he. research. found. t hat. t hough. Fintech. in. Islamic. finance. sector. has. been. done . since . it's . emerging . t hrough . Guidelines . Fintech . Regulator y . Sandbox . Guidelines. Islamic. financial. Fintech. will. be. strengt hened. and. developed. and. more. diversified. Chapter 11 Oppor tunities.and.Challenges.of.Social.Media.to.t he.Islamic.Bank s.in. Indonesia

Medan Area, Indonesia The. Islamic. bank s. in. Indonesia. have. a. ser ious. issue. of. a. low.

market. share. of. 5%.. This. emerged. due. to. t he. limited/unvar ied. product. range,. low. literacy. and. inclusion. level. of. Islamic. finance,. unfavorable. perception. for. Islamic. banking,. and. limited. distr ibution. network s. and. outreach.. All. of. t hese. causes. could. be. resolved. by. using. social . media, . which . will . br ing . several . oppor tunities . such . as . transparency . and . openness,. effective. marketing. channels,. st akeholders'. relationship,. social. media. content,. brand. image. and. reput ation,. shar iah. compliance. activity,. lear ning. and. knowledge,. and. g reater. personalization.. Meanwhile,. in. using. social. media,. t he. Islamic. bank s. face. few. challenges. such. as. network. infrastr ucture,. negative.

of. Sout heast. Asian. Nations. (ASEAN)'s. countr ies.. Loan. shark. activities. are. found. not. only. in. Myanmar. and. Cambodia,. which. has. t he. lowest. per. capit a. income. in. ASEAN. but. also. in. Indonesia,. Thailand,. Malaysia,. Br unei,. and. even. Singapore,. which. are. t he. five. countr ies. wit h. t he. highest. g ross. domestic. product. (GDP). per. capit a. in. ASEAN.. How. are. loan. shark. practices. in. ASEAN. countr ies?. Can. nanofinance. overcome. t he. microfinance. gap. to. fight. t he. loan. shark?. How. t he. practice. of. Bank. Wak af. Mikro. (BWM). in. Indonesia. to. nanofinance. wit h.qardhul.hassan.contract?.Find.t he.answers.in.t his.chapter. ? Chapter 13 Factors.That.Influence.Ret ail.Equity.Investors.to.Patronize.Islamic.

funds.. The. results. show. t hat. religiosity. and. product. awareness. significantly. influence. t he. patronizing. behavior. of. Malaysian. ret ail. equity. investors.. On. t he. ot her. hand,. economic. motives,. convenience,. social. influence,. and. attractiveness. of. stock. investment. ranked. below. religiosity. and. product. awareness.. In. view. of. t he. findings,. stockbroking. industr y. players. such. as. investment. bank ,. stockbroking. fir m,. or. par ticipating. organization. should. t ake. advant age. of. t he. religiosity. and. product. awareness. factors. as. a. main. focus. to. develop. Islamic. stockbroking. ser vice. in. Malaysia.. Sales,. marketing. and. business. development. strategies. can. be. designed. according.to.t he.said.cr iter ia. Chapter 14 Post-Cr isis.Interdependence.Between.Islamic.Unit.Tr ust.Funds.and.Islamic. Stock.Market.in.Malaysia

292 Muhamad Abduh , School of Business and Economics, Universiti Br unei Dar ussalam, Br unei Ruzanna Ramli , City University Mala ysia, Mala ysia This. chapter. evaluates. shor t-. and. long-ter m. relationships. between. 34. Islamic. unit. tr usts. and. t he. Islamic. stock. market. af ter. t he. global. financial. cr isis.. The. study. collects. dat a. from. Bloomberg's. dat abase. from. 2009. until. 2012. and. employs. J-J. cointeg ration. to. identify. t he. long-ter m. relationship. while. Granger. causality. test. is. used. to. investigate. how. t he. changes. in. Islamic. stock. market. can. influence. t he. changes. in. Islamic. unit. tr usts. in. t he. shor t. ter m.. The. finding. indicates. t hat. 61.76. percent. out. of. t he. 34. Islamic.

unit. tr usts. tested. do. not. have. long-ter m. equilibr ium. wit h. t he. Islamic. stock. market.. Fur t her more, only. a. few. Islamic. tr usts. responded. to. t he. changes. in. t he. Islamic. stock. market.. This. study. is. impor t ant. for. at. least. two. reasons:. its. role. in. filling. t he. gap. in. t he. literature. of. unit. tr ust—stock. markets. nexus. in. Islamic. finance;. and. its. findings. provide. relevant. infor mation. t hat. can. benefit. investors.and.fund.managers. ? Chapter 15 Financial.Accessibility.and.Small-Medium.Enter pr ises.(SMEs).in.Malaysia:. The.Role.of.Crowdfunding.and.Islamic.Finance

306 Mohamed Asmy Bin Mohd Thas Thak er , Inter national Islamic University Mala ysia, Mala ysia Hassanudin Bin Mohd Thas Thak er , Sunwa y University, Mala ysia Choong Pai Wei , Sunwa y University, Mala ysia One. of. t he. common. problems. faced. by. worldwide. SMEs. including. Malaysia. is. accessing. exter nal. financial. ser vices.. Given. t his. fact,. t his. chapter. offers. a. sust ainable. model. of. source. of. financing. for. Malaysian. SMEs. in. meeting. t heir. financial. need,. which. is. known. as. Islamic. Crowdfunding-Small. and. Medium. Enter pr ises. (ICSMEs). model.. Aut hors. review. comprehensive. literature. by. focusing. on. t he. issues. of. financial. accessibility. faced. by. Malaysian. SMEs,. and. t he. existing. studies.

relating. to. SMEs,. crowdfunding,. and. Islamic. finance. in. suppor t. to. constr uct. ICSME. model.. Aut hors. discuss. t he. modus. operandi. of. t he. proposed. ICSME. model. and. offer. several. significances.of.t he.model. Compilation of References

This economic integ ration opens vast oppor tunities as t he market size is huge wit h a combined GDP reaches US\$2.6 tr illion. Collectively, AEC is t he t hird-largest economy in Asia and t he sevent h-largest in t he world. ASEAN has a young population as half of its 640 million people are less t han 30 years old. The g rowing number of t he middle-class segment, which will reach 400 million in 2020, couple wit h its more t han 339 million active Inter net users (more t han 300 million access t he Inter net from mobile devices) has made ASEAN an attractive digit al consumers. CONTENTS OF THE BOOK The book presents a collection of 15 chapters t hat addresses key topics to underst and business, economics and Islamic f inance in ASEAN region and also

explored trends and challenges in t he region.

It aims to ser ve as an inter national platfor m to br ing toget her academics, researchers, lecturers, decision makers, policy makers, and practitioners to share new t heor ies, research f indings, and case studies and have a better knowledge and underst anding of problems and oppor tunities in t he region. C h a p t e r 1, t i t l e d " O rga n i z a t i o n a l Fa c t o r s a n d t h e S u c c e s s o f Te ch n o l o g y Transfer" (aut hors: Md Zahidul Islam and Safayet Rahman) explores t he relationship between organizational culture, str ucture, complexity of technology and t he success of technology transfer. Technology is one of t he key competitive advant ages of any organization and plays an impor t ant role in t he success of bot h inter national and domestic f ir ms.

Technology can be transfer red wit hin t he boundar ies of an organization, outside of organizational boundar ies wit h strategic par tners and xviii Preface also across national boundar ies. As it transcends national borders, dif f iculties in transfer r ing technology are likely to increase. To overcome t he dif f iculties, cer t ain organizational culture could play an impor t ant role in t he ef f icient transfer of technology in an organization. Besides culture, organizational str ucture could also play a major role to achieve technology transfer success. Fur t her more, t he complexity of technology is also can af fect t he success of technology transfer.

Chapter 2, titled "Spatial Dynamic Modeling for Increasing t he Competitiveness of Small Medium Enter pr ises: Case Study Bogor City, West Java, Indonesia" (aut hors: Har tr isar i Hanggoro, Har r y Imant ho and Anissa Damayanti) st ates t hat t he Role of Small and Medium Enter pr ises (SMEs) in suppor ting Indonesian economic activity are significant. SMEs face many obst acles in t heir business development. Empower ment of SMEs in Bogor by local gover nments car r ied out in conjunction wit h t he Depar tment of Cooperatives and SMEs.

This study aimed to est ablish t he spatial model design of SMEs in Bogor area in order to improve t he competitiveness of products in Bogor city. The analysis has shown t hat SMEs in Bogor city is still in t he phase of development, market penetration and also product development. The model shows t he average per for mance index of SMEs in Bogor is only 62.29, 19 among 41 have index values about 50. From t he competitiveness analysis, we could see t hat among 41 SMEs can be categor ized in 4 quadrants. Strategic prog ram could be developed based on t he position in t he quadrant.

It can be concluded t hat in general SMEs in Bogor city have not been ready for inter nationally competition. Gover nment should develop specific strategy for each SMEs

based on t he quadrant position def ined by t he model. Chapter 3, titled "Explor ing t he Entrepreneur ial Motivations and Bar r iers of Ag r ipreneurs in Br unei Dar ussalam" (aut hors: Siti Fatimahwati Pehin Dato Musa, Pg Siti Rozaidah Pg Hj Idr is and Muhammad Khair ul Hidayatullah Haji Basir) studies t he motivations and institutional bar r iers of local ag r ipreneurs who are involved in dif ferent branches of ag r iculture in Br unei. Descr iptive analysis and t hematic analysis were per for med to analyse t he dat a.

The ag r ipreneurs in t he study consider t heir venture into ag r iculture as an act of symbolic nationalistic suppor t whereby t hey envision Br unei to be a nation less reliant on food imports, in line with t he countr y's vision or better known as Wawasan 2035. In addition, t heir motivation is also based on Islamic values with t he intention of seeking lawful ear ning and a path to a blessed monet ary and hereafter rewards. The main problems faced by t he ag r ipreneurs are lack of access to f inance, lack of infrastr ucture and technology and lack of exposure.

The research on local ag r ipreneurs in t he context of Br unei is scarce, t hus t his study aims to provide a better underst anding of t heir motivations and constraints in order for Br unei to realize t he potential of t he ag r iculture sector as an import ant dr iver of t he economy and t hus develop t he sector fur t her. xix Preface Chapter 4, titled "Empower ing Community Through Entrepreneurship Training and Islamic Microf inancing: Shar ing t he Exper ience of IIUM-CIMB Par tnership" (authors: Nor ma Md Saad, Mustafa Omar Mohammad and Mohammed Aslam Haneef) st ates t hat community economic development is a relatively new strategy employed to increase employment, income, and entrepreneurship activities in small town and communities.

The Centre for Islamic Economics, Inter national Islamic University Malaysia (IIUM) has initiated a smar t par thership wit h CIMB Islamic Bank to of fer entrepreneurship training and Islamic microf inance facility to t he poor in Malaysia. This project adopts several modes of Islamic microf inance f inancing instr uments which include equity-based and debt-based f inancing. The prog ram aims to educate t he communities sur rounding t he IIUM campus wit h entrepreneurship knowledge and skill in addition to giving Shar iah-compliant micro-f inancing facility for t hem to implement t heir business ideas.

CIMB Islamic which is t he main par ther for t his project provides funds for Islamic microf inance facilities and IIUM contr ibutes exper tise in providing entrepreneurship trainings to t he communities located near IIUM campus. It is hoped t hat t his smar t par thership would empower t he sur rounding communities and create more successful entrepreneurs. Chapter 5, titled "Halal Industr y in ASEAN: Issues and Challenges" (aut

hors: Moha Asr i Abdullah and Md Siddique E Azam) af f ir ms t hat amongst t hree Muslim major ity countr ies (Indonesia, Malaysia, and Br unei) of ASEAN, Malaysia leads t he halal industr y globally and considered to be t he global halal hub. Simult aneously, t he market is g rowing tremendously in ot her member countr ies as well.

It has been realized t hat a number of dr iving forces are responsible for boosting t he expansion of Halal industr y globally as well as in ASEAN. While t here are a number of factors accelerating t he g rowt h of t he Halal industr y, t here are many limit ations and challenges t hat are hinder ing t he market expansion. Therefore, t he f irst objective of t his chapter is to introduce t he over view of Halal industr y globally as well as in ASEAN counties.

Later section of t he chapter will be explor ing t he oppor tunities of t he Halal industr y for ASEAN counties followed by identifying t he issues and challenges confronted by industr y players. Finally, it concludes by providing some recommendations in t he ASEAN context based on t he cur rent global situation and f indings of t he Halal industr y. The chapter adopts met hodology of analyzing secondar y dat a. Chapter 6, titled "Analysis of Food Secur ity Policy by Par ticipator y Pover ty A s s e s s m e n t (P PA) E f for t : C a s e l n l n d o n e s i a " (a u t h o r s : M u h a m a d Ru s l i ya d i , Azaharaini Hj.

Mohd and Muhammad Anshar i) aims to evaluate food secur it policies and extension policies to t he achievement of t argets and t he results of a development prog ramme such as Food Self Suf f iciency village (DMP) used Par ticipator y Pover ty Assessments (PPA). The output obt ained is infor mation t hat is an evaluation of how the policy was planned, initiated and implemented. Par ticipator y Pover ty Assessments xx Preface (PPA) monitor ing and evaluation analyse t he outcome and impact of t he DMP Prog ramme.

The output of t he PPA process from t his study is t he ag r icultural policy for mulated in ter ms of practical ways of approaching pover ty problems from a local perspective. The success of alter native policy options applied by local gover nment such us Physical, Human Resources, Institution development at t he g rassroots level should be adopted at t he national level. It should represent t he best example of a case of successful prog ramme implement ation at t he g rassroots level which can t hen be used in for mulating national policies and strategies.

Chapter 7, titled "The Study of Digit al Marketplace in Br unei Dar ussalam" (aut hors: Alif Azizi Abdullah, Mohammad Nabil Almunawar and Muhammad Anshar i) st ate t hat a two-sided market or two-sided network is made up of two distinct user g roups t hat provide each ot her wit h network benef its in which t hey interact t hrough an inter mediar y or platfor m. A digit al marketplace makes use of a two-sided market where t he two distinct g roups are t he buyers and sellers. A digit al marketplace is a type of e-commerce site where t he sellers of fer products or ser vices to t he buyers, and transactions are controlled and processed by marketplace operators.

Wit h t he rapid development and adoption of t he Inter net and digit al marketplace globally and also regionally, businesses in Br unei Dar ussalam are slowly incor porating digit al marketplace. This chapter aims to provide an over view of t he cur rent st ate of t he digit al marketplace in Br unei, and t hus, case studies of local digit al marketplaces will be discussed. A qualit ative approach, which consists of inter views wit h companies, will be made for t he study.

The strengt hs and problems of employing digit al marketplace for businesses and analysis using Michael Por ter's f ive models will also be covered in t his chapter. Chapter 8, titled "A Study of Quality Tools and Techniques for Smar t Manufactur ing in Industr y 4.0 in Malaysia: The Case of Nor t her n Cor r idor Economic Region" (aut hors: Mohd Syaiful Rizal Abd Hamid, Saifuddin Isa and Chew Boon Cheong) analyses t he key factors for selecting quality tools and techniques in industr ial revolution 4.0, par ticularly in t he smar t manufactur ing context. This study asked, " What are t he factors deter mining which quality tools and techniques are more applicable in specif ic circumst ances related to quality per for mance in Industr ial Revolution 4.0?" To answer t his question, a multiple case study and an in-dept h literature review were employed as t he research design approach.

Two key dat a collection met hods (qualit ative met hods) were used: (1) Pr imar y dat a from face-to- face inter views wit h Toyo Memor y Technology and Intel Malaysia (2) Secondar y dat a from previous studies. This review, coupled wit h t he case study analysis, led to t he identification of t he real implement ation of quality tools and techniques in t he industr ies. Finally, t his book can enhance t he reader underst anding of Industr ial Revolution 4.0 and quality management practices as well as highlight oppor tunities for fur t her research.

xxi Preface Chapter 9, titled "Et hnicity and Household Savings in Indonesia" (aut hors: Shochr ul Rohmatul Ajija, Muhamad Abduh, Wasiatur rahma Wasiatur rahma and Ahmad Hudaifah) st ates t hat household saving is ver y impor t ant, not only for secur ing t he future spending of t he family but also for t he countr y's economy. Using t he logit analysis on dat a of The Indonesia Family Life Sur vey (IFL S) wave t hree, four, and f ive, t his study attempts to analyze factors inf luencing, especially t he role of et hnicity, upon t he household savings in Indonesia. The result indicates t hat gender, location, and level of education are t he consistent var iables af fecting t he household saving behaviour in Indonesia across t he t hree wave sur veys. Meanwhile, as for t he et hnic g roup var iable, t here are only Sunda, Bat ak , and Bima-Dompu t hat can signif icantly inf luencing t he people's saving behavior across t he t hree wave sur veys. Chapter 10, titled "Strengt hening Islamic Finance in Sout h East Asia Through Innovation of Islamic Fintech in Br unei" (aut hor: Abdur rahman Raden Aji Haqqi) obser ves t hat f intech solutions can revolutionize Islamic f inancial ser vices and leverage on t he so-called 'Four t h Industr ial Revolution' which is t he movement towards combining ever yday aspects of our lives, such as f inance, into t he digit al realm t hat will help increase speed, ef f iciency, and convenience.

The most signif icant challenge for all countr ies pursuing Fintech is regulating t he industr y. Following t he issuance of t he Financial Sector Bluepr int, t he Fintech Unit was est ablished under Autor iti Monitor i Br unei Dar ussalam (AMBD). AMBD envisions a vibrant economy powered by ICT t hrough ICT-Smar t Citizens as well as being a connected and ef f icient nation. This ar ticle discusses t he application of Fintech specif ically in Islamic f inance sector based on t he descr iptive met hod of research by concentrating on its regulations.

At the end, the research found that though Fintech in Islamic finance sector has been done since it's emerge but through Guidelines Fintech Regulator y Sandbox Guidelines Islamic financial Fintech will be strengt hened and developed and more diversified. Chapter 11, titled "Oppor tunities and Challenges of Social Media to the Islamic Bank s in Indonesia" (aut hor: Ahmad Rafiki) af fir ms that the Islamic bank s in Indonesia have a ser ious issue of a low market share of 5%. This emerged due to the limited/unvar ied product range, low literacy and inclusion level of Islamic finance, unfavorable perception for Islamic banking, and limited distribution network s and outreach.

All of t hese causes could be resolved by using social media which will br ing several oppor tunities such as transparency and openness, ef fective marketing channels, stakeholders' relationship, social media content, brand image and reputation, shar iah compliance activity, lear ning and knowledge, and g reater personalization. Meanwhile, in using social media, t he Islamic bank s face few challenges such as network infrastr ucture, negative comments, infor mation r isk management, pr ivacy, and deception.

All t he infor mation in t his chapter can be used as a reference to any xxii Preface institutions par ticularly t he Islamic bank s which associated wit h digit al inter faces and interactions in its daily businesses. Thus expectedly, t he Islamic bank s could enhance t

he public tr ust and est ablish a good Islamic identity. Chapter 12, titled "The Loan Shark in ASEAN Can Nanof inance Wit h Qardhul Hassan Deal Wit h It? Lesson Lear ned From Bank Wak af Mikro in Indonesia" (aut hor: Khair unnisa Musar i) st ates t hat loan shark is a humanit ar ian problem faced by many countr ies in t he world, including in Asia, even in t he Association of Sout heast Asian Nations (ASEAN)'s countr ies.

Loan shark activities are found not only in Myanmar and Cambodia, which has t he lowest per capit a income in ASEAN but also in Indonesia, Thailand, Malaysia, Br unei, and even Singapore, which are t he f ive countr ies with t he highest g ross domestic product (GDP) per capit a in ASEAN. How are loan shark practices in ASEAN countr ies? Can nanof inance overcome t he microf inance gap to f ight t he loan shark? How t he practice of Bank Wak af Mikro (BWM) in Indonesia to nanof inance wit h qardhul hassan contract? Find t he answers in t his chapter.

Chapter 13, titled "Factors Inf luence Ret ail Equity Investors to Patronize Islamic Stockbroking in Malaysia: An AHP Approach" (aut hors: Muhamad Abduh and Faizal Asfan Mohamad) analyses factors inf luence ret ail equity investors to patronize Islamic stockbroking in Malaysia and rank their level of impor tance using Analytical Hierarchy Process. Dat a are collected using questionnaire via online and of f line sur vey among clients, individuals who work in t he stockbroking industr y and stockbroking related industr y such as fund managers, unit tr ust managers and mutual funds.

The results show t hat religiosity and product awareness signif icantly inf luence t he patronizing behavior of Malaysian ret ail equity investors. On t he ot her hand, economic motives, convenience, social inf luence and attractiveness of stock investment ranked below religiosity and product awareness. In view of t he f indings, stockbroking industr y players such as investment bank, stockbroking f ir m or par ticipating organization should t ake advant age of t he religiosity and product awareness factors as a main focus to develop Islamic stockbroking ser vice in Malaysia. Sales, marketing and business development strategies can be designed according to t he said cr iter ia.

Chapter 14, titled "Post-Cr isis Interdependence Between Islamic Unit Tr ust Funds and Islamic Stock Market in Malaysia" (aut hor: Muhamad Abduh) explores t he shor t-r un and long-r un relationship between 34 Islamic unit tr usts and t he Islamic stock market af ter t he global f inancial cr isis. The study collects t he dat a from Bloomberg's dat abase from 2009 until 2012 and employs J-J cointeg ration to identify t he long-r un relationship while Granger causality test is used to investigate how t he changes in Islamic stock market can inf luence t he changes in Islamic unit tr usts in t he shor t-r un. The f inding indicates t hat 61.76 percent out of t he 34 Islamic xxiii Preface unit tr usts tested do not have long-r un equilibr ium wit h t he Islamic stock market. Fur t her more, only a few Islamic tr usts responded to t he changes in t he Islamic stock market. This study is import ant at least in two folds. Firstly is its role in fulf illing t he gap in t he literature of unit tr ust—stock markets nexus in Islamic f inance. Secondly, t he f indings provide some relevant infor mation to t he investors and fund managers so t hey may t ake benef it from t he situation.

The last chapter of t he collection, Chapter 15, titled "Financial Accessibility and Small Medium Enter pr ise (SMEs) in Malaysia: The Role of Crowdfunding and Islamic Finance" (aut hors: Mohamed Asmy Bin Mohd Thas Thaker, Hassanudin Bin Mohd Thas Thaker and Choong Pai Wei) af f ir ms t hat one of t he common problems facing by worldwide SMEs including Malaysia is accessing exter nal f inancial ser vices. Given t his fact, t his paper attempts to of fer a sust ainable model of source of f inancing for Malaysian SMEs in meeting t heir f inancial need, which is known as Islamic Crowdfunding-Small and Medium Enter pr ises (ICSMEs) model.

We review comprehensive literature by focusing on t he issues of f inancial accessibility faced by Malaysian SMEs, and t he existing studies relating to SMEs, crowdfunding and Islamic f inance in suppor t to constr uct ICSME model. We discussed t he modus operandi of t he proposed ICSME model and of fers several signif icances of t he model. Before closing t his preface, it is import ant to t hank aut hors for t heir interest in par ticipation in t his book as well as t he members of t he Editor ial Advisor y Board of t he book and reviewers for t he time and ef for ts t hey invested in choosing t he best collection of chapters for t his book. Thank you ver y much to all of you.

Mohammad Nabil Almuna war Universiti Br unei Dar ussalam, Br unei Muhammad Abduh Universiti Br unei Dar ussalam, Br unei Patr icia Ordóñez de Pablos The University of Oviedo, Spain November 2019 xxiv 186 Copyr ight © 2020, IGI Global. Copying or distr ibuting in pr int or electronic for ms wit hout wr itten per mission of IGI Global is prohibited. Chapter 9 DOI: 10.4018/978-1-7998-2257-8.ch009 ABSTRACT Household saving is ver y im por tant, not only for secur ing the future spending of the family but also for the countr y's economy.

Using the logit analysis on data of The Indonesia Family Life Sur ve y (IFL S) wave three, four, and five, this chapter analyzes factors influencing, especially the role of ethnicity, upon the household savings in Indonesia. The result indicates that gender, location, and level of education are the consistent var iables affecting the household saving behaviour in Indonesia across the three wave sur ve ys. Meanwhile, as for the ethnic group var iable, there are only Sunda, Batak , and Bima-Dom pu that can significantly influence the people's saving behavior across the three wave sur ve ys.

Ethnicity and Household Savings in Indonesia Shochr ul Rohmatul Ajija Universitas Airlangga, Indonesia Muhamad Abduh https://orcid.org/0000-0002-1918-6525 School of Business and Economics, Universiti Br unei Dar ussalam, Br unei Wasiaturrahma Wasiaturrahma Universitas Airlangga, Indonesia Ahmad Hudaifah Universitas Inter nasional Semen Indonesia, Indonesia Copyr ight © 2020, IGI Global. Copying or distr ibuting in pr int or electronic for ms wit hout wr itten per mission of IGI Global is prohibited.

187 Ethnicity and Household Savings in Indonesia INTRODUCTION Saving is believed to be one of t he engines dr iving t he economy of a countr y. Previous studies have shown t hat savings are able to boost economic g rowt h in many countr ies such as Niger ia (Adelak un, 2011), Malaysia (Abduh, Omar, & Duasa, 2011), as well as Bostwana (Jagadesh, 2015). The g rowt h of t he economy for countr ies wit h high capit al accumulation, especially t hrough savings, will be more sust ain and higher compared to countr ies wit h low capit al (Chow, 1993).

The low level of capit al accumulation, one of t he reasons is due to insuf f icient savings, is t he common problem faced by developing countr ies (Wollasa, 2011). To date, Indonesia is still classified as a developing countr y and g rouped under low and midlle income countr ies (World Bank , 2017). Similar to ot her developing countr ies in t his world, Indonesia is facing challenges on how to improve its capit al accumulation, especially t hrough t he improvement of household savings which cur rently still in a considerably low level.

It is interesting to see t hat at t he Association of Sout heast Asian Nations (ASEAN) level, t he amount of household savings in Indonesia t hat have been collected relatively higher and even better t han Singapore and Br unei Dar ussalam as a high-income countr y, i.e around 300 tr illion US\$ a year. However, it is not sur pr ising because t he population of Indonesia is much g reater t han t hose two countr ies. The average percent age of savings to GDP from 2010 to 2015 shows t hat Indonesia is in t he four t h position in ASEAN wit h only 34.4 percent (World Bank , 2017).

Unlike other low- and middle-income countr ies in ASEAN region such as Thailand, Cambodia and Laos, t he g rowt h of domestic savings in Indonesia is likely to decline since 2013 (World Bank , 2017). Af ter a fant astic increase of 44 percent in 2010, t he level of savings in Indonesia continue to fall wit h t he rate of 0.3 percent in 2015. On t he ot her hand, t he same repor t said t hat domestic savings of Laos, Thailand, and Cambodia had increased dramatically by 34, 12, and 10 percent respectively. Since domestic saving is one of t he main components in developing t he economy, it is t hen ver y impor t ant to investigate t he deter minant of domestic savings behavior in Indonesia especially at t he pr ivate level since 91.97 percent of domestic savings in Indonesia are pr ivate savings (Vibr iyanti, 2014). However, according to (Scott, 2014), t here is a link between et hnic g roup and economic behaviour including saving. Fur t her more, (O'Connor, 2017) evidences t hat et hnicity g reatly af fects people's savings behaviour in t he t hree countr ies of Australia, Canada and China, where Chinese descent can save more t han Caucasians.

Since Indonesia is a countr y wit h more t han 100 et hnic g roups live toget her, it is interesting and import ant to know t he saving behaviour of households in Indonesia wit h regard to t heir et hnicity. Hence, t his study attempts to analyse factors, especially 188 Ethnicity and Household Savings in Indonesia t he et hnicity, inf luencing t he households' saving behaviour in Indonesia using nationwide Indonesian Family Life Sur vey (IFL S) wave 3, 4, and 5 dat a. The rest of t his paper is str uctured as follows. In t he second section, t his study quotes literature reviews about savings, concepts of et hnicity, and how et hnicity can inf luence t he households' saving behaviour.

Section 3 presents dat a and research met hods utilized in t his study while section 4 descr ibes research f inding and analysis. Lastly, Section 5 summar ises t he main f indings and t heir implications. LITERATURE REVIEW Generally, saving is def ined as money not spent (Popovici, 2012). According to (Akram & Akram, 2015), t he deter minants of savings are including demog raphic factors, macroeconomic var iables, and f inancial var iables. The Classical Theor y st ated t hat savings have a positive relationship wit h interest rate (Viener is, 1977; Mishkin, 2010). The high interest rate encourages people to save because t hey will ear n more interest income through savings.

According to Keynesian, savings are highly deter mined by t he disposable income or cur rent income (Crouch, 1972). However, Post-Keynesian argued t hat savings depended on income ambiguously, but t hey stressed t hat savings are more inf luenced positively by one's income and af fected negatively by t he consumption at t he same time (Gr igoli, Her man, & Herbel, 2014). According to (Gr igoli, et al., 2014), t he st ar ting point of t heoretical research on savings is def ined by t he per manent income hypot hesis (PIH) and t he life cycle hypot hesis (LCH).

Unlike Keynesian hypot hesis, (Hall, 1978) st ated t hat PIH concer ns on a represent ative, inf initely lived consumer who equalizes t he consumption to t he per manent income net of t he present value of t axes. Ricardian equivalence hypot hesis (REH), t he var iant of t he PIH, def ines per manent income as net of t he present value of t he gover nment spending (Bar ro, 1974). The REH estimates t hat t he per manent gover nment consumption will be fully compensated by t he lower of pr ivate consumption if a huge number of str ingent conditions has been fulf illed (Seater, 1993).

The PIH assumption of homogeneous consumers seems to contradict with the heteroginity of some consumer dimensions, such as age, income, and access to bor row the money. Therefore, according to (Att anasio & Weber, 2010), the LCH had proposed that the age-related consumer heterogenity stated that agg regate savings indicates the addition of savings by different age. Furt her more, saving habits seem to be also influenced by the level of one's financial literacy. One of the reasons of suboptimal saving and investments was the suffer ing of financial literacy (Hastings & Mitchell, 2011).

In addition, (Lusardi & Mitchell, 2007) and (Hasting & Tejeda- Ashton, 2008) had mentioned t hat t he lack of f inancial literacy also make people 189 Ethnicity and Household Savings in Indonesia to exper ience lack of saving for retirement, stuck in a lot of debt, t ake t he wrong decision in t he housing loan, and face many problems in t he cur rent sophisticated f inancial era. Et hnicity is somet hing t hat is not given but as a result of social construction so t hat et hnicity itself is f lexible and dynamic (Yang, 2000). Dif ferences in et hnic g roups are judged to inf luence dif ferent mindsets in ter ms of saving.

Honig (1996) argues t hat et hnic and gender dif ferences inf luence a person's behavior in planning for retirement. Meanwhile, someone who is ready to face retirement must have a more planned savings since his yout h. In addition, (Scott, 2014) st ated t hat t he dif ference in retirement savings behaviour based on race and et hnicity is due to cultural dif ferences in t he deg ree of f inancial interdependence expected by family members and one's social network. The g roup will usually save more because t here is a more independent set of cultural assumptions in which ever yone is responsible for his or her own pension outcomes and f inancial decisions more generally.

A person wit h a relatively similar level of wealt h but coming from dif ferent et hnic g roups can even have a deg ree of readiness to welcome a dif ferent retirement (Shapiro, 2004). One of t he causes of dif ferences in saving habits between et hnic g roups is usually due to dif ferences in cultural nor ms gover ning each g roup (Scott, 2014). For example, t here are some et hnic g roups who believe t hat real est ate is t he best source of wealt h. As a result, people wit h t hese et hnic g roups began to save funds in t he for m of a house or proper ty at a young age.

This belief is bor n due to t he prevailing nor m around t hem, t he et hnic g roup where t hey reside, so it also af fects t he way a person t hink s in deter mining t he technique

of saving or investment. DATA AND RESEARCH METHOD In order to measure t he impact of t he et hnic g roup upon household's saving behaviour in Indonesia, t his study utilizes t he longitudinal socioeconomic and healt h panel dat a of Indonesia Family Life Sur vey (IFL S) wave 3, 4, and 5 wit h household samples from 13 provinces in Indonesia conducted by t he RAND Foundation in 2000, 2007/2008, and 2014/2015 respectively.

IFL S dat a used in t his study is t he dat a where respondents sur veyed on wave 3, 4, and 5 are t he same person. The goal is to see t he development of savings character of respondents, whet her it is tr ue t hat et hnic var iables af fect t hem consistently or not. This study focuses upon t he inf luence of demog raphic and cultural factor, such as et hnicity, upon t he for mal savings ownership among Indonesian.

Therefore, t he ownership of for mal saving becomes t he dependent var iable, whereas, et hnicity, gender, location, mar it al st atus, and years of school set as t he independent var iables. Fur t her more, since t he dependent var iable is in nominal outcome; t hat is 1 if t he 190 Ethnicity and Household Savings in Indonesia respondent has a for mal household savings and 0 ot her wise, so t he binar y logit model can be att ained (Williams, 2017; Anderson, Her nande, Jessup, & Nor t h, 2018).

age of head of household; mar it al st atus of head of family; t he gender of head of family; residential locations (r ural or urban), year of school, and discrete dat a for et hnic g roups in IFL S dat a); e denotes t he base of t he natural logar it hm; e i indicates t he stochastic er ror ter m; I n P P L i i i 1 - = was logit, t hat is t he log odds ratio of t he probability t hat a household has a for mal saving. To measure t he impact of a var iable, t his research uses marginal ef fect analysis (Fount as, Sar war, Anast asopoulos, & Blatt, 2018).

It measures t he impact of changes in independent var iables on t he likelihood of

respondents having savings in t he bank. It is computed as follows (Greene, 2012: 674): 191 Ethnicity and Household Savings in Indonesia ? ()??????? = () = () E P y X M X f X i i i i ' ' B B B and f X M X M X B B B ' ' () = () - ()?????? 1 where, e[P(y i)]indicates t he expected value of t he logit probability, ? ()??????? E P y X i i denotes t he change of t he overall expected value, f X B ' () and M X B ' () are t he density functions and probability of t he general conditional mean function E[y i |x], respectively.

EMPIRICAL RESULTS AND DISCUSSIONS Overview of Respondents The respondents of t his study are or iginated from 24 dif ferent tr ibal or igins, such as Jawa, Sunda, Bali, Bat ak, Bugis, Tionghoa, Madura, Sasak, Minang, Banjar, Bima- Dompu, Mak assar, Nias, Palembang, Sumbawa, Toraja, Bet awi, Dayak, Melayu, Komer ing, Ambon, Manado, Aceh, et cetera. Af ter going t hrough t he dat a cleaning, t he number of respondents of IFL S wave 3, 4, and 5 involved in t his study 8,890; 9,693; and 10,773 respectively. Most of respondents in t his study are from Jawa, Sunda, Minang, Bali, Sasak, Bet awi, Bugis, Bat ak, Banjar, and Madura respectively.

Wit h regard to t hese et hnics, Jawa is t he largest et hnic g roup in Indonesia t hat live at t he central and east par t of 192 Ethnicity and Household Savings in Indonesia Java island. Sunda is t he indigenous population in t he wester n par t of Java island and becomes t he second largest et hnic g roup in Indonesia (Candramila, Sumarsono, Sur yobroto, & Moeis, 2015). Minangk abau people, also known as Minang, is one of t he biggest et hnic g roup in Indonesia and or iginally from Minangk abau Highlands of West Sumatera. Balinese people are living mostly in Bali and Lombok Island as well as in Banyuwangi.

It is t he most easter n region of Java Island and most of t hem live in village called as desa tradisional (traditional village) in Lombok Island. Sasak Table 1. The distr ibution of respondents according to the tr ibes No Ethnicity 2000 2007 2014 Tot al Freq. % Freq. % Freq. % Freq. % 1 Jawa 3,920 44.1% 4,482 46.3% 4,996 46.6% 13,398 45.7% 2 Sunda 1,245 14.0% 1,288 13.3% 1,324 12.3% 3,857 13.2% 3 Minang 466 5.2% 509 5.3% 575 5.4% 1,550 5.3% 4 Bali 456 5.1% 505 5.2% 531 5.0% 1,492 5.1% 5 Sasak 314 3.5% 358 3.7% 540 5.0% 1,212 4.1% 6 Bet awi 408 4.6% 351 3.6% 390 3.6% 1,149 3.9% 7 Bugis 344 3.9% 370 3.8% 385 3.6% 1,099 3.8% 8 Bat ak 273 3.1% 349 3.6% 428 4.0% 1,050 3.6% 9 Banjar 296 3.3% 367 3.8% 366 3.4% 1,029 3.5% 10 Madura 282 3.2% 323 3.3% 326 3.0%

931 3.2% 11 Bima-Dompu 145 1.6% 184 1.9% 240 2.2% 569 1.9% 12 Mak assar 115 1.3% 134 1.4% 156 1.5% 405 1.4% 13 Melayu 26 0.3% 111 1.1% 81 0.8% 218 0.7% 14 Ot her Sout h Sumatera 197 2.2% - 0.0% - 0.0% 197 0.7% 15 Manado 4 0.0% 107 1.1% 67 0.6% 178 0.6% 16 Sumbawa 49 0.6% 46 0.5% 78 0.7% 173 0.6% 17 Tionghoa 62 0.7% 64 0.7% 41 0.4% 167 0.6% 18 Palembang 52 0.6% 41 0.4% 68 0.6% 161 0.5% 19 Toraja 48 0.5% 46 0.5% 45 0.4% 139 0.5% 20 Ambon 104 1.2% 7 0.1% 3 0.0% 114 0.4% 21 Nias 34 0.4% 23 0.2% 42 0.4% 99 0.3% 22 Komer ing 30 0.3% 12 0.1% 35 0.3% 77 0.3% 23 Dayak 8 0.1% 12 0.1% 6 0.1% 26 0.1% 24 Aceh 8 0.1% - 0.0% - 0.0% 8 0.0% Tot al 8,886 100.0% 9,689 100.0% 10,723 100.0% 29,298 100.0% 193 Ethnicity and Household Savings in Indonesia people are t he native inhabit ants of Lombok Island. Bet awi people are et hnic g roup native to t he Jak ar t a, t he capit al city of Indonesia.

Bugis people are or iginally from Sout h Sulawesi, Indonesia. Bat ak people are t he indigenous tr ibe of Nor t h Sumatra Island, Indonesia, one of t he signif icant tr ibes in Indonesia. Banjar people are native et hnic g roup t hat live in Sout h K alimant an, Indonesia. Madura, t he t hird largest et hnic g roup by population in Indonesia, are or iginally from Madura Island, East Java. The distr ibution of respondents according to t heir tr ibes is shown in Table 1. Demog raphically, t here is no signif icant different on t he character of respondents of each per iod. Most of t he respondents of each per iod are women and mar r ied.

Fur t her more, around half of respondents live in t he city. The demog raphy profile of t he respondents of each per iod is t abulated in Table 2 as follows: According to Table 3, it can be asser ted t hat t he level of education of t he respondents has been improved g radually over per iods. In 2000, t he mean of years of school is 6.49 meaning t hat on average, t he respondents complete t heir education until element ar y school but do not f inish t heir f irst st age in junior high school. Table 2.

Descr iptive statistics of discrete var iables 2000 2007 2014 Frequency Percent age Frequency Percent age Frequency Percent age Gender Male 2,160 24.31 2,131 21.99 1,854 17.29 Ot her wise 6,726 75.69 7,558 78.01 8,869 82.71 Mar it al St atus Mar r ied 8,881 99.94 9,689 100.00 10,720 99.97 Ot her wise 5 0.06 - - 3 0.03 Location Urban 3,998 44.99 4,937 50.95 6,085 56.75 Ot her wise 4,888 55.01 4,752 49.05 4,638 43.25 Table 3. Descr iptive statistics of continuous var iables Var iables 2000 2007 2014 Mean Std. Dev Min Max Mean Std. Dev Min Max Mean Std. Dev Min Max Years of School (old school, in years) 6.49 4.47 0 18 7.72 4.45 0 21 8.60 4.34 0 21 Age (years) 37.68 13.75 11 105 37.52 13.02 15 96 37.99 12.43 14 93 194 Ethnicity and Household Savings in Indonesia Meanwhile in 2014, t he education level of respondent increases because on average, t hey almost can complete t heir junior high school. In addition, t he average of age of IFL S's respondents is steadily same from 2000 to 2014. However, t he oldest age in t he IFL S sur vey declined, from 105 years in 2000 to 93 years in 2014. The inactivity of savings in Indonesia is also ref lected in t he IFL S dat a. Most respondents from all per iod do not have savings in t he bank. There are only around one t hird of respondents owning saving account in t he bank. This condition is t abulated as follows: Empirical Result The logit coef f icient shown in t he result indicates t he impact of changes in t he independent var iables towards t he dependent var iable, while t he coef f icient cannot be directly inter preted. Therefore, t he meaning of t he estimation can be asser ted from t he odds ratio and marginal ef fect. The odds ratio is t he ratio between two oppor tunities, i.e. having household savings or not.

Meanwhile, marginal ef fects indicate predicted probability changes in household saving ownership due to changes in independent var iables. From t he results of logit estimation in Table 5, it can be seen t hat age has a signif icant ef fect to t he probability t hat someone has a savings account in t he bank. The older a person, t he g reater t he probability of having savings. The odd ratio st ated t hat t he older a person, t hen t he possibility of having savings is double from t he younger person. The impact of age upon saving behaviour can be explained from elderly perspectives whereby older people requires more spending.

Therefore, to manage f inancial planning for family, saving remains very good solution to secure future spending. The education backg round of respondents seems to have a consistent impact to t he probability of owning t he for mal savings in Indonesia. The logit estimation from all t hree per iods shows t hat t he higher t he education level of t he respondent, t he g reater t he chance of having a savings account in t he bank. From t he odds ratio it can Table 4. Saving ownership of respondents Saving Ownership 2000 2007 2014 Number % Number % Number % Yes 2,484 27.95 2,402 24.79 3,313 30.90 No 6,402 72.05 7,287 75.21 7,410 69.10 Tot al 8,886 100.00 9,693 100.00 10,723 100.00 195 Ethnicity and Household Savings in Indonesia Table 5. The logit estimation, odds ratio, and marginal effects results Var iables 2000 2007 2014 Logit Est. Odds R atio Logit Est. Odds R atio Logit Est. Odds R atio Const ant a -3.271845 .0379364 -2.968988 .0513552 -2.578913 .0758564 1.16445*** .044175*** .1226834*** .0063004*** .1132983*** .0085944*** age .0067802 1.006803 .0086909 1.008729 .0076572 1.007687 .0021411 *** .0021557*** .0022405*** .0022601*** .0020182*** .0020337*** Gender -.4332406 .6484044 -.3065939 .7359494 -.2727505 .7612827 .0618184*** .0400833*** .0613653*** .0451618*** .0592536*** .0451087*** Year of School .186598 1.205143 .1776443 1.1944 .1658167 1.180357 .0069823*** .0084146*** .0070919*** .0084706*** .0062303*** .0073539*** Location .366811 1.443125 .3268783 1.386633 .2420336 1.273837 .0548376*** .0791375*** .0550702*** .0763622*** .048314*** .0615442*** Sunda -.1708183 .8429747 -.465879 .6275832 -.1656544 .847339 .0776361** .0654453**

.0821306*** .0515438*** .0706661*** .0598782*** Bali .0820778 1.08554 .1282134 1.136796 -.1695038 .8440835 .1187501 .128908 .1127014 .1281184 .1045707 .0882664 Bat ak -.7529156 .4709913 -.7313796 .4812446 -.6461834 .524042 .1564906*** .0737057*** .1483597*** .0713973*** .119364*** .0625518*** Bugis .2211047 1.247454 .3647989 1.440224 .0160498 1.016179 .1300909* .1622824* .1288146*** .1855219*** .1206085 .1225598 Tionghoa -.5340862 .5862047 .2114484 1.235466 .3729499 1.452012 .2951097* .1729947* .2722447 .3363491 .3275265 .4755722 Madura .0239659 1.024255 .0857734 1.089559 .1173877 1.124555 .1613487 .1652623 .1538848 .1676666 .1368626 .1539095 Sasak -.1643032 .8484848 -.4168824 .6590984 -.1803111 .8350104 .1502312 .1274689 .1564909*** .1031429*** .1070367* .0893767* Minang -.2187699 .8035066 -.367144 .6927099 -.4759269 .6213089 .1151971* .0925616* .1142063*** .0791119*** .1007749*** .0626123*** Banjar -.3185345 .727214 .0500454 1.051319 -.2990575 .7415167 .1523974** .1108255** .133001 .1398265 .130739** .0969451** Bima- Dompu -.5159655 .596924 -.4192392 .6575469 -.9955983 .3695023 .2371015** .1415316** .2065656** .1358266** .183229*** .0677035*** Mak assar -.8858852 .412349 .2657344 1.304389 -.0613509 .9404931 .2826851*** .1165649*** .2023853 .2639891 .1820865 .1712511 Nias -2.080715 .124841 -1.431438 .238965 -1.362519 .2560151 1.029738** .1285535** 1.042237 .2490582 .6208527** .1589477** 196 Ethnicity and Household Savings in Indonesia be estimated t hat when a respondent has a one level higher of education level, t hen t he chances of having savings increased 1.2 times more t han ot hers.

The f indings are interestingly consistent t hrough all waves. Savings behaviour in Indonesia was leveraged by gender. Men are more likely to have saving t han women consistently in all waves with t he odds ratio exemplified t hat t he probability of women to save are less t han one, or only 0.65 to 0.76 times t han men. However, getting closer to t he year 2014, women's chances to have savings are also getting bigger alt hough t he addition is not really significant. The inclination of female's educational backg round has reshaped t he saving behaviour in Indonesia.

Af ter completion of school, female is more aware of future generation Table 5. Continued Var iables 2000 2007 2014 Logit Est. Odds R atio Logit Est. Odds R atio Logit Est. Odds R atio Palembang -.2842601 .7525709 -.5985885 .5495868 -.6546722 .5196124 .3101118 .2333811 .3961437 .2177153 .2890527** .1501954** Sumbawa -.2095149 .8109775 .1453626 1.156459 -.2886641 .7492639 .384231 .3116027 .3570626 .4129281 .2692231 .2017191 Toraja -.4347159 .6474486 -.3801953 .6837279 -.1195459 .8873233 .3882472 .2513701 .3774957 .2581043 .3305583 .2933121 Bet awi -.2329418 .7921997 .1080184 1.114068 -.042749 .9581519 .1217748* .0964699* .1263806 .1407966 .1176025 .112681 Dayak .0214852 1.021718 -.0152207 .9848946 .0477434 1.048901 .8099933 .8275844 .6587665 .6488156 .8382052 .8791947 Melayu -.1094909 .8962903 .2373097 1.267834 -.3180043 .7275996 .4220392 .3782696 .2308434 .2926711 .2518996 .1832821 Komer ing .756091 2.129934 .2602096 1.297202 -.3904894 .6767256 .399912* .8517861* .6152888 .7981538 .3844403 .2601606 Ambon -.5438382 .5805158 .9231985 2.517329 1.360754 3.899133 .2634453** .1529342** .7923318 1.99456 1.242069 4.842993 Manado -.9405155 .3904265 -.1876173 .8289318 -.2243222 .7990577 1.177901 .4598839 .2559661 .2121784 .2937105 .2346917 Aceh -.6697572 .5118328 .7456963 .3816718 Ot her (Sout h Sumatera) .0299899 1.030444 .1690951 .174243 Prob > chi2 0.0000 0.0000 0.0000 Pseudo R2 0.1167 0.1014 0.0823 197 Ethnicity and Household Savings in Indonesia of her children by saving more money for education cost, healt hcare insurance and gold to be pawned or sold back in case of emergency.

In addition, t he respondents' residence (whet her in t he city or village) also consistently inf luence saving behavior consistently. The respondents residing in cities have a g reater probability to have savings at for mal f inancial institutions t han t hose living in t he village. The odds ratio also evidences t hat respondents who reside in t he city initially have a chance to have savings about 1.2 times bigger t han t hose living in t he village.

Re ga rd i n g theinfluence of ethnic backg rounds up ons aving beh aviour of households in Indonesia, it can be seen that the influence started from wave 3 survey. From the logit estimation it can be asserted that there are some et hnic groups that significantly and positively influencing their people to save money in for malfinancial institutions. Those are: 2000: Sunda, Batak, Makassar, Banjar, Bima-Dompu, Nias, Ambon, Bugis, Tionghoa, Minang, Bet awi, and Komering 2007: Sunda, Batak, Bugis, Sasak, Minang, and Bima-Dompu 2014: Sunda, Batak, Minang, Bima-Dompu, Banjar, Nias, Palembang, and Sasak Therefore, ethnic groups that consistently affect the probability of owning a for mal saving account on the three waves analyzed are Batak, Sunda, and Bima-Dompu.

Interestingly, as t he most dominant tr ibe in IFL S respondents, Jawa et hnic does not have a signif icant ef fect on savings ownership oppor tunities. The dif ference in ter ms of geog raphical location between urban and r ural area inf luences saving behavior among t he respondents. Location of living and urban residential settlement are of ten sur rounded by public facilities par ticularly bank s and investment agent companies.

Therefore, people living in urban areas can easily save and invest t heir money into f inancial institutions and productive investment products. The world trend of preferable living location has moved into urban dwelling. Around 50 percent of world population, including in Indonesia, has chosen to reside in urban areas (World Bank , 2017). Several countr ies are experiencing urbanisation which more citizens are living in cities and

metropolit an. The result of study mostly indicates t hat geog raphical location has signif icant impacts upon saving behaviour.

CONCLUSION AND RECOMMENDATION T h e o u t c o m e o f st u d y e st a b l i s h e s a s o l i d c o n c l u s i o n t h a t s eve r a l i m p o r t a n t deter minants could prompt t he saving behaviour. The results from logit estimation indicate t hat t he age has a signif icant ef fect to t he probability of someone has a savings 198 Ethnicity and Household Savings in Indonesia account in t he bank. The education backg round of respondents also appears to lead a consistent impact to t he probability of owning t he for mal savings in Indonesia.

In addition, savings behaviour in Indonesia is also stimulated by gender character istic where women are more likely to save t heir money in for mal f inancial institutions t han men. The odds ratio inter preted from t he logit model has exemplified t hat t he probability of women to have a saving account is less t han men. It can also be asser ted from t he logit model t hat t here are some et hnic g roups t hat have most significant impressions on t he probability of savings in bank , namely Bat ak , Sunda, and Bima-Dompu.

Interestingly for Jawa, as t he most dominant tr ibe in IFL S respondents, does not have a signif icant consciousness on savings ownership oppor tunities. The recommendations from t his study is to provide f inancial literacy prog rammes for people living in villages and from t he lower middle-income g roups so t hat t hey underst and t he impor t ance of f inancial planning and at t he same time to boost t he countr y's capit al accumulation for better economic g rowt h.

Meanwhile for t he upper high-income family, policy makers could encourage t hem t hrough many initiatives or prog rammes which can enhance t heir awareness upon saving propor tion as inter nal source of investment wit hin t he countr y. REFERENCES Abduh, M., Omar, M., & Duasa, J. (2011). The Impact of Cr isis and Macroeconomic Var iables towards Islamic Banking Deposits. Amer ican Jour nal of Applied Sciences, 8(12), 1413–1418. doi:10.3844/ajassp.2011.1378.1383 Adelak un, O. J. (2011). The Nexus of Pr ivate Savings and Economic Growt h in Emerging Economy: A Case of Niger ia. Jour nal of Economics and Sustainable Development, 2(6), 31–45. Akram, N., & Akram, M. I. (2015).

Savings Behaviour in Muslim and Non Muslim Countr y in Context to t he Interest Rate. Pakistan Jour nal of Applied Economics, 25(2), 161–177. Anderson, J. C., Her nande, S., Jessup, E. L., & Nor t h, E. (2018). Perceived Safe and Adequate Tr uck Parking: A Random Parameters Binar y Logit Analysis of Tr uck Dr iver Opinions in t he Pacific Nor t hwest. Inter national Jour nal of Transpor tation Science and Technology, 7(1), 89–102. doi:10.1016/j.ijtst.2018.01.001 Att anasio, O. P., & Weber, G. (2010). Consumption and Saving: Models of Inter temporal Allocation and Their Implications for Public Policy, Jour nal of Economic Literature. Amer ican Economic Association, 48(3), 693–751.

199 Ethnicity and Household Savings in Indonesia Bar ro, R. J. (1974). Are Gover nment Bonds Net Wealt h? Jour nal of Political Economy, 82(6), 1095–1117. doi:10.1086/260266 Candramila, W., Sumarsono, S. H., Sur yobroto, B., & Moeis, M. R. (2015). Face Shape Var iation Among Sundanese People for m Wester n Java, Indonesia. Ha yati Jour nal of Biosciences, 22(1), 34–40. doi:10.4308/hjb.22.1.34 Chow, G. C. (1993). Capit al For mation and Economic Growt h in China. The Quar terly Jour nal of Economics, 108(3), 809–842. doi:10.2307/2118409 Crouch, R. L. (1972). Macroeconomics. New York: Harcour t Brace Javanovich. Fount as, G., Sar war, M. T., Anast asopoulos, P. C., & Blatt, A. (2018).

Analysis of St ationar y and Dynamic Factors Af fecting Highway Accident Occur rence: A Dynamic Cor related Grouped Random Parameters Binar y Logit Approach. Accident ; Analysis, and Prevention, 113, 330–340 Greene, W. H. (2002). Econometr ic Analysis. New York: Prentice Hall. Gr igoli, F., Her man, A., & Hebbel, K. S. (2014). World Saving. IMF Working Paper, 204(14), 1–55. doi:10.5089/9781498393454.001 Hall, R. E. (1978). Stochastic Implications of t he Life Cycle-Per manent Income Hypot hesis: Theor y and Evidence. Jour nal of Political Economy, 86(6), 971–987. doi:10.1086/260724 Hasting, J., & Tejeda-Ashton, L. (2008).

Financial Literacy, Infor mation and Demand Elasticity: Sur vey and Exper iment al Evidence from Mexico, NBER Working Paper, 14538. Hasting, J. S., & Ashto, L. T. (2008). Financial Literacy, Infor mation, and Demand Elasticity: Sur vey and Exper iment al Evidence from Mexico, Working Paper 14538. Hastings, J. S., & Mitchell, O. S. (2011). How Financial Literacy and Impatience Shape Retirement Wealt h and Investment Behaviors, National Bureau of Economic Research Working Paper Ser ies, 16740, 1-26 H o n i g , M . (1996).

Ret i r e m e n t E x p e c t a t i o n s : D i f fe r e n c e s by R a c e , E t h n i c i t y, a n d G e n d e r. T h e G e ro n to l o g i st , 3 6 (3) , 3 7 3 – 3 8 2 . d o i : 1 0 . 1 0 9 3 / ge ro n t / 3 6 . 3 . 3 7 3 PMID:8682335 Jagadeesh, D. (2015). The Impact of Savings in Economic Growt h: An Empir ical Study Based on Botswana. Inter national Jour nal of Research in Business Studies and Management, 2, 10–21. 200 Ethnicity and Household Savings in Indonesia Lusardi, A., & Mitchell, O. S. (2007). Baby Boomer Retirement Security: The Roles of Planning, Financial Literacy, and Housing Wealt h. Jour nal of Monetar y Economics, 54(1), 205–224. doi:10.1016/j.jmoneco.2006.12.001 Mishkin, F. S. (2010). The Economic of Money, Banking, and Financial Markets. New York: The Addison-Wesley.

O'Connor, T, (2017, Apr il 18).

Retr ieved Febr uar y 9, 2018, from Int heBlack: https:// www,int heblack ,com/ar ticles/2017/04/18/religion-and-et hnicity-dr ive-savings- habits Po p ov i c i , G . (2 0 1 2) . Un d e rst a n d i n g t h e Fa c to rs A f fe c t i n g S a v i n g s o f D u t ch Households, Groningen: University of Groningen and "Alexandr u Ioan Cuza" University of Iasi. Scott, A. C. (2014). Ethnic Dif ferences in Reliance On Family Versus Personal Savings in the Face of a Financial Shock , Unpublished Master's Thesis of University of Colorado. Seater, J. J. (1993).

Ricardian Equivalence, Jour nal of Economic Literature, 31, 142-190 Shapiro, T. M. (2004). The Hidden Cost of Being Afr ican Amer ican: How Wealt h Per petuates Inequality. Regional Science and Urban Economics, 30, 238. Vibr iyanti, D. (2014). The Ef fect of Socio-Demog raphic Var iables on Household Saving: The Analysis of the 2007 IFLs Dat a. Developing Countr y Studies, 4(1), 73–84. Viener is, Y. P. (1977). Macroeconomics Model and Policy. New York: Wiley & Sons. Williams, R. (2016). Underst anding and Inter preting Generalized Ordered Logit Models. The Jour nal of Mathematical Sociology, 40(1), 7–20. Wollasa, L. K. (2011). Investment Ef f iciency, Savings and Economic Growth in Sub Saharan Afr ica.

Retr ieved July 18, 2017, from http://www.politicalar ticles, n et / b l o g / 2 0 1 1 / 0 9 / 0 5 / i nve st m e n t - e f f i c i e n c y- s av i n g s - a n d - e c o n o m i c - g row t h - i n - sub-saharan-afr ica/ World Bank. (2017). World Bank Open Data, Retr ieved March 10, 2017, from http://dat a,worldbank ,org/ Yang, P. Q. (2000). Ethnic Studies: Issues and Approaches. New York: St ate University of New York Press. 201 Ethnicity and Household Savings in Indonesia ADDITIONAL READING Choudhur y, S. (2002). Racial and Et hnic Dif ferences in Wealt h and Asset Choices. Retr ieved November 17, 2018, from https://www.ssa.gov/policy/docs/ssb/v64n4/ v64n4p1.html Dal Borgo, M. (2018). Et hnic and Racial Dispar ities in Saving Behavior. Banco de Mexico Working Papers No 2018-02 (Januar y 2018). Retr ieved November 17, 2018, from https://www.banxico.org.mx/publications-and-press/banco-de-mexico-working-papers/%7BC6DA7FDC-C774-D061-0894-CAA06CCC2E31%7D.pdf KEY TERMS AND DEFINITIONS Ethnicity: t he fact or st ate of belonging to a social g roup t hat has a common national or cultural tradition.

Logistic Regression: t he appropr iate reg ression analysis to conduct when t he dependent var iable is dichotomous (binar y). Saving: t he money one has saved, especially t hrough a bank or of f icial scheme. About the Contributors Patr icia Ordonez de Pablos is a professor in t he Depar tment of Business Ad- ministration in t he Faculty of Business and Economics at The University of Oviedo (Spain). She completed her

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