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HALAL LOGISTICS AND SUPPLY CHAIN MANAGEMENT

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Edited by

Nor Aida Abdul Rahman, Azizul Hassan and
Hajjah Zawiah Abdul Majid



Halal Logistics and Supply Chain Management

This book provides a comprehensive overview of Halal in logistics, supply chain management and the future implications for the Halal industry. It discusses a wide range of Halal logistics practices and theories in Japan, Korea, Spain, Oman and Southeast Asian countries.

The book examines technology applications, regulatory and certification procedure, Halal management system and quality control, and sustainability, as well as challenges for the logistics and Halal supply chain in the pandemic context. The book also looks at how to navigate the complexity of Halal logistics to achieve business sustainability. It uses a multidisciplinary approach to provide insights on the Halal logistics and supply chain study.

This book hopes to fill an existing gap and enrich the literature on Halal logistics and supply chain management specifically in the West, Middle East and regions in Asia. This will be a useful reference to those who would like to learn more about this industry.

Nor Aida Abdul Rahman is Associate Professor at Universiti Kuala Lumpur, Malaysia and currently serves as a Head of Aviation Management at Universiti Kuala Lumpur, Malaysian Institute of Aviation Technology, in Subang, Selangor, Malaysia. She has worked as internal and external trainer in management, supply chain, Halal logistics and postgraduate research. Her research work has appeared in several reputable academic journals such as *Industrial Marketing Management*, *Journal of Islamic Marketing* and others. She has also published a number of book chapters and refereed conference proceedings, and been part of the editorial team for a book project with Routledge. She is on the working group panel of the MS2400 Halal Supply Chain standard and TC10 for Halal Supply Chain Standard (SMIIC). She earned a PhD in Management (Supply Chain Management) from Brunel University, London, UK. She is also an academic advisor in college, a chartered member for the Chartered Institute of Logistics and Transport Malaysia (CILTM), an HRDF Certified Trainer, chairman (Academic Committee) for the Malaysian Association of Transportation, Logistics and Supply Chain Schools (MyATLAS), vice president (research journal) for the Institute for Research in Management and Engineering UK (INRME), JAKIM Halal Certified Trainer, UniKL Halal Professional Board and a member of Academy of Marketing, UK.

Azizul Hassan is a member of the Tourism Consultants Network of the UK Tourism Society. Dr Hassan has been working for the tourism industry as a consultant, academic and researcher for over 20 years. His research interest areas are technology-supported marketing for tourism and hospitality, immersive technology applications in the tourism and hospitality industry, and technology-influenced marketing suggestions for sustainable tourism and hospitality industry in developing countries. Dr Hassan has authored more than 150 articles and book chapters in leading tourism outlets. He is also part of the editorial team of 25 book projects, and is a regular reviewer of a number of international journals.

Hajjah Zawiah Abdul Majid is a senior lecturer at University Kuala Lumpur and served as Head of Teknoputra, International, Industrial & Institutional Partnerships (3IP) UniKL Business School. She has 20 years' experience teaching various courses such as Logistics, Entrepreneurship and Innovation Management. Currently, she is a Fellow at the Chartered Institute of Logistics and Transport (CILT), Woman in Logistics and Transport (WiLAT), Global Vice Chairperson (GVC) Southeast Asia and founder of WiLAT Malaysia. She has more than 30 years' experience in logistics industry and is currently pursuing her doctorate in Halal Supply Chain. She is on the working group panel of MS2400 Halal Supply Chain for DSM and TC10 for SMIC, Istanbul, Turkey. She is also chairman of National Competency Standard (NCS) for Halal Logistics under MOHR, HDC and JPK, and a certified Halal Professional Board trainer endorsed by JAKIM.

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Contributors

Faradina binti Ahmad is a lecturer at the Malaysian Institute of Industrial Technology, Universiti Kuala Lumpur. Her area of expertise is legal and logistics. She pursued her Bachelor's degree in law at Universiti Teknologi MARA, Shah Alam, Selangor and continued her studies in Master's in Law at Tulane University, US, in 2005. Currently, she is furthering her studies at the PhD level in the field of Transportation Planning at Universiti Teknologi Malaysia. The chapter of the book that she has contributed is part of the results of her PhD research.

Md Fauzi Ahmad is on the academic staff at Universiti Tun Hussein Onn Malaysia. He started his career as a quality engineer and has been assigned to various areas, such as product quality assurance, quality control, product planning and sales departments. He has contributed to establishing company strategy for improving customer satisfaction and other major improvement projects.

Anis Najiha Ahmad attended Universiti Sains Malaysia from 2005 to 2008 and graduated with a BSc in Food Technology. In 2012, she obtained her MSc in Food Technology from the same university. Her Master's thesis focused on the development of method for routine ethanol quantification, and determination of alcohol limits in Halal certification. For her doctorate study, she decided to move in the opposite direction from the hard-analytical detection to managerial approach to address challenges to ensure the wholesome state of Halal food production. Her PhD thesis focused on the development of an instrument that assess the effectiveness of the Halal food management system in SMEs. She is currently an assistant professor in the International Institute for Halal Research and Training, International Islamic University Malaysia. Her research interests include (1) Halal, quality and food safety management, (2) countermeasures for food fraud as well as three core competencies in Halal industry.

Zainab Al-Balushi PhD, MSc, MCom, BSc, is assistant professor of Operations Management at the College of Economics and Political Science, Sultan Qaboos University. Currently she is the head of Quality Assurance and the Academic

Accreditation Unit. She is also a Faculty Fellow in the Center of Excellence in Teaching and Learning. She is a founding member of the Oman Logistics Association and a member in formulating the Sultanate of Oman Logistics Strategy 2040 and chairperson for Women in Transport and Logistics. She is a reviewer for various journals and has published in international journals such as *Supply Chain Management: An International Journal* and *International Journal of Physical Distribution & Logistics Management*. Her research interests include regional supply chains, supply chain uncertainty and risk management, competitiveness, CSR and sustainability, 4IR and logistics digitalization, and logistics education.

Nur Hidayah Binti Azhar is a graduate research assistant at the National Defense University of Malaysia (NDUM), where she is pursuing a Master's in Resources Management. She holds a Bachelor's degree in Security and Defense Management with first class honours from the NDUM. She is very interested in the research areas of logistics and transportation and supply chain management. Currently, she is a team member in the Fundamental Research Grant Scheme (FRGS) on Eliminating Old Vehicle Impacts Towards B40 Well-Being Research.

Baiduri Zaiyyanna Mohd Farudz is currently undertaking her final degree semester in Bachelor of Tourism Planning and Hospitality Management (Hons), Kulliyah of Languages and Management, International Islamic University Malaysia (IIUM). She is now an internship student at International Institute for Halal Research and Training, IIUM in which she is involved in the development of the Halal Micro-credential. She was an active member of the Committee of Tourism Department at the KLM Students Society. She took part in an innovation and research programme in Penang International Invention Innovation and Design (2019) where she managed to bring back a Silver Medal with the project title "TourMouve Application: Interactive Navigation and Mobile Application in Creating Efficient Tourist Movement in Muar, Johor". As a tourism student, she has learned many skills and gained knowledge from multiple assessments and workshops. She hopes to contribute these skills and knowledge to the betterment of the national tourism.

Serge Gabarre is currently an assistant professor at the College of Arts and Sciences, University of Nizwa. He received his PhD from the Faculty of Education at the National University of Malaysia. His research interests are foreign language acquisition, mobile-assisted language learning, qualitative data analysis and research methodology. He can be contacted at sergegabarre@unizwa.edu.om

Abdelsalam Adam Hamid obtained his PhD from the College of Business Studies, Sudan University of Science and Technology, in Supply Chain. He is an Assistant Professor of Supply Chain at the International Maritime College of Oman. He worked as Assistant Professor and Head of the Business Administration Department at Sudan University of Science and Technology.

Abdelsalam has published in a variety of journals; his research interests lie in the field of supply chain practices, logistics operations and management and industrial business and marketing. He is a reviewer for many journals.

Azizul Hassan is a member of the Tourism Consultants Network of the UK Tourism Society. Dr Hassan has been working for the tourism industry as a consultant, academic and researcher for over 20 years. His research interest areas are technology-supported marketing for tourism and hospitality, immersive technology applications in the tourism and hospitality industry, and technology-influenced marketing suggestions for sustainable tourism and hospitality industry in developing countries. Dr Hassan has authored more than 150 articles and book chapters in leading tourism outlets. He is also part of the editorial team of 25 book projects, and is a regular reviewer of a number of international journals.

Zuhra Junaida Binti Ir Mohamad Husny Hamid is a senior lecturer at Faculty of Built Environmental and Surveying under the Department of Urban and Regional Planning. She also holds the position of Deputy Director of the Centre for Innovative Planning and Development in Universiti Teknologi Malaysia. She holds a Doctor of Philosophy Degree in Transportation Planning from the Faculty of Built Environmental and Surveying. Her PhD research focused on Halal Logistics Services. She is also a chartered member of the Chartered Institute of Logistics and Transport (CILT) Malaysia. She has more than 15 years of industry experience and ten years of teaching experience in the field of logistics and transportation planning, and currently teaches at Universiti Teknologi Malaysia. She is also a certified trainer by PSMB and JAKIM. She co-founded of HOLISTICS Lab Sdn Bhd, a spinoff company of UTM that provides technology and training solutions.

Harlina Suzana Jaafar graduated with a PhD in Logistics from Loughborough University, UK, in 2006, and a Masters in Transport from Cardiff University, UK, in 1993. She was actively involved in the development of the Halal supply chain standard for Malaysia and OIC countries, and she is now the chairman of the Technical Committee 10 Halal Supply Chain under the Standard Metrology Institute for Islamic Countries based in Istanbul and Islamic Standard Committee member at Standards Malaysia. She is also participating in several taskforces under the Ministry of Transport and has been appointed as trainer for the Certified Professional Halal Executive Programme by the Department of Islamic Development of Malaysia (JAKIM). She has also published more than 100 journal articles, proceedings, book chapters, technical reports, professional reports and policy papers in the area of third-party logistics, Halal supply chain, trade logistics, green logistics and smart mobility cities.

Nurul Faezawaty Jamaludin is a senior lecturer at Universiti Kuala Lumpur, Malaysia, in Bioengineering Technology with Process and Food Engineering qualification. She was formerly appointed as Special Operation Officer at Asia

Food Validation Centre to carry out GMP, HACCP and Halal-related matters. She has experience in engaging with industries locally and internationally.

Muhammad Munzir Khairuddin is currently a researcher and lecturer at Universiti Kuala Lumpur, Malaysian Institutes of Aviation Technology in Selangor, Malaysia. He has a background of aviation industry education from his Bachelor's degree and some industry experience from his training at a well-known air freight operator company in Malaysia. He earned his Master's degree in management from Universiti Kuala Lumpur, Business School. His Master's research titled "An Investigation Towards the Factors Impeding the Success of Halal Compliance in Air Cargo Warehouse in Malaysia" investigates the Halal compliance factors for a Malaysian air cargo warehouse operator which led them to success in operating a Halal warehouse. Currently, he is doing his PhD in Aerospace, in which his research is also related to the Halal industry. He has published a few papers on his serendipity research finding to and encourage warehouse operators to become Halal status warehouses.

Dwi Agustina Kurniawati is an assistant professor in the Industrial Engineering Department, Faculty of Science and Technology, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta, Indonesia. She received her Bachelor's degree in 2003 in Industrial Engineering from Institut Teknologi Bandung, Indonesia. After that, in 2006, she received her Master of Engineering degree from Universiti Teknologi Malaysia. Finally, in 2016, she received her PhD degree in Systems and Engineering Management from Nanyang Technological University, Singapore. She has published many papers in the industrial engineering research area, both in international and national journals. Her research interests are mathematical modelling, operation research, Halal-related issues, supply chain management, cross-docking warehouse, optimization, scheduling and metaheuristics method.

Kamran Mahroof is a lecturer in Supply Chain Analytics and programme leader for BSc (Hons) Management and Business Analytics in the Faculty of Management, Law and Social Sciences at the University of Bradford. He has extensive practical experience, having worked in various positions for leading companies, most recently for Morrisons PLC, where he led business improvement initiatives in Logistics and Supply Chain. He received the Dean's Award for Innovation and Impact for his doctoral research in which he explored the increasing role of data analytics within the UK's healthcare sector. He is an experienced lecturer and continues to hold a strong connection in both public and private sectors through his ongoing research. His industrial experience has helped shape his research interests, through which he is actively researching in the areas of technology adoption, industry 4.0 technologies, circular economy and applied artificial intelligence.

Hajjah Zawiah Abdul Majid is a senior lecturer at Universiti Kuala Lumpur and served as Head of Teknoputra, International, Industrial & Institutional Partnerships (3IP) UniKL Business School. She has 20 years' experience

teaching various courses such as Logistics, Entrepreneurship and Innovation Management. Currently, she is a Fellow at the Chartered Institute of Logistics and Transport (CILT), Woman in Logistics and Transport (WiLAT), Global Vice Chairperson (GVC) Southeast Asia and founder of WiLAT Malaysia. She has more than 30 years' experience in logistics industry and is currently pursuing her doctorate in Halal Supply Chain. She is on the working group panel of MS2400 Halal Supply Chain for DSM and TC10 for SMIIC, Istanbul, Turkey. She is also chairman of National Competency Standard (NCS) for Halal Logistics under MOHR, HDC and JPK, and a certified Halal Professional Board trainer endorsed by JAKIM.

Fernando Mayor-Vitoria is an industrial engineer with a PhD in Economics from the Universitat Politècnica de Valencia; he also holds a MBA and a Master's in Textile Engineering. He has more than 20 years of international business experience in different sectors such as textile, footwear and lighting. He is professor at the Universitat Politècnica de València in the areas of Economics and Business Administration. He has published papers related to the fields of logistics, big data and decision science as well as books and chapters about operational management and business strategy.

Zam Zuriyati Mohamad is an assistant professor at Universiti Tunku Abdul Rahman and a chartered accountant belonging to the Malaysian Institute of Accountants. After 14 years of experience in the corporate sector, in 2011 she decided to change her career and become an academic. She is currently an assistant professor at Universiti Tunku Abdul Rahman, teaching Business Accounting, Corporate Reporting Current Issues, Advanced Financial Accounting, Financial Information for Management and serves as head of department for Commerce and Accountancy in year 2018. Her recent publications include "Embedding eco-friendly and smart technology features in affordable housing for community happiness in Malaysia" (*GeoJournal*) and "Comprehensive board diversity and quality of corporate social responsibility disclosure: evidence from an emerging market" (*Journal of Business Ethics*). Her current research interests include digital technology, digital accounting, housing affordability and sustainable development goals.

Abdul Manan Dos Mohamed is an associate professor at UniKL MICET. He is the head of the Special Task Force Halal Entrepreneurship Committee, certified trainer under the Halal Professional Board, JAKIM, and responsible to lead Halal activities in UniKL and related organizations, locally and abroad. He has 30 years' experience working in education and research activities that include being a lecturer at Universiti Sains Malaysia (USM); senior research fellow and head of Downstream Technology Section at Craun Research Sdn Bhd, Sarawak; editor at *CRAUN Sago Research Journal*; head of Food Technology Section at Universiti Kuala Lumpur MICET; dean/head of campus at Universiti Kuala Lumpur MICET; general manager at Inkubator Teknologi Makanan (MARA INTEM), Kepong. He is certified trainer for

the Food Handler's Course (MOH), MeSTI programme (MOH), Halal lead auditor (IHI Alliance), lead auditor for HACCP (SIRIM) and HALAL JAKIM (Halal Professional Board, JAKIM). He has completed 18 research projects and has published more than 100 refereed papers and 30 proceedings. He completed supervising six PhD and 14 Master's students. He has patented a starch extraction process and flavour technology invention.

Au Yong Hui Nee is an associate professor and the dean of the Faculty of Business and Finance, University Tunku Abdul Rahman, Malaysia. She received her BSc (Hons) in Resource Economics from Universiti Pertanian Malaysia, MA in Economics from the University of Tsukuba, Japan, and PhD from Universiti Sains Malaysia. She was a Japanese Government MEXT (Monbukagakusho) Scholar. Prior to joining academia, she held management positions in Fortune/Forbes multinational corporations and the public sector. She has extensive experience managing supply chain and logistics and compliance risk management. She has received research grants to the amount of RM600,000 in the past six years, and also provided consulting projects for clients in Japan and Malaysia. She has published more than 30 scientific papers in Scopus/Web of Science-indexed journals and proceedings. She serves as a member of editorial board of five international referred journals and reviewer for 15 SSCI/SCIE-indexed journals. She is a recipient of the Malaysian Institute of Management Tun Razak Youth Leadership Award.

Abdul Hafaz Ngah received his PhD from the Universiti Malaysia Pahang and is currently a senior lecturer in the Faculty of Business, Economy and Social Development, Universiti Malaysia Terengganu. His research interests include Halal supply chain, tourism management, technology adoption and employability skills. He has published in several international journals. He has been appointed as a reviewer for several international journals and conferences of repute.

James (Jang Suh) Noh is president of the Korea Institute of Halal Industry and chairman of the Korea Halal Export Association. He has led major research projects commissioned by the Korean government, including the "In-Depth Halal Logistics Industry Survey" published in 2017. His institution has been providing international-level education for the Korean Halal industry through partnerships with Malaysian educational institutions.

Emi Normalina Binti Omar obtained her degree in Professional Studies from the Chartered Institute of Logistics and Transport at Universiti Teknologi MARA (UiTM), Malaysia. Previously, she was attached to the logistics industry and after that she pursued her Master's study in MSc International Logistics at the University of Plymouth (UK). After that, she did her PhD in transport and logistics at the Malaysia Institute of Transport (MITRANS). Her PhD thesis is specifically in the area of Halal supply chain management. Currently, she is a senior lecturer at the Centre for Technology and Supply Chain Management Studies, Faculty of Business and Management. She is also involved in various programmes and courses related to Halal, logistics and supply chain with the

Islamic Development Department of Malaysia (JAKIM), MITRANS, UiTM and IHALALMAS, UiTM, Malaysia. She has published various papers in the area of the Halal supply chain, poultry supply chain, green supply chain, transport and logistics in journals and proceedings papers. She was also one of the invited speakers for the World Halal Summit for 2018 and 2020 in Istanbul, Turkey.

Heizal Hezry Omar has more than 20 years of experience as a lecturer in the Department of Economics and Financial Studies, Faculty of Business and Management, Universiti Teknologi Mara (UiTM) Puncak Alam. He graduated with a degree in Islamic Studies (Hons) from Ibnu Tofail University, Kingdom of Morocco (1997) as well as an MBA from UiTM (2000). He also holds a Diploma in Investment Analysis from RIIAM-RMIT, a certificate in Islamic Studies and a certificate in Contemporary Shariah Studies, both from Universiti Kebangsaan Malaysia, as well as a certificate in Shariah Studies from the University of Malaya. He has been teaching Islamic banking-related subjects such as Islamic Legal Maxims, Introduction to Fiqh Muamalat, Advanced Fiqh Muamalat, Islamic Jurisprudence and also Islamic Theology since 2000. He is the recipient of UiTM's 2019 Academic Award for teaching (Business and Management cohort) and has also written a book entitled *Tafsir Ayat-Ayat Ramadan* (PTS Publication, 2012).

Ismah Osman obtained a PhD in Islamic Banking and Finance from the International Islamic University (2011), an MBA from the University of Keele, UK (1997) and a Human Sciences Degree Programme from the International Islamic University (1994). She joined UiTM in 2000. She has been a lecturer at UiTM for 21 years, and her research interests are Halal management and marketing, Islamic economics and entrepreneurship. She is currently an assistant editor for the *Journal of Islamic Marketing*, an executive editor for the *Malaysian Journal of Consumer and Family Economics*, as well as an Exco member of the Malaysian Consumer and Family Economics Association. She holds a professional certificate of Islamic Financial Planning and an Associate Qualification in Islamic Finance from IBFIM. She is also an HRDF Certified Trainer and a Halal Trainer (certified by HDC). She is an MQA panel member for programme accreditation.

Sharina Osman is a senior lecturer and the Head of Tourism at the Universiti Kuala Lumpur Business School. She earned her PhD in Management at the University of Exeter, UK, and Masters of Human Resource Management and BBA (Marketing) Honours from Universiti Utara Malaysia, Malaysia. Her research interests include identity, image and reputation, organizational culture, human resource development, gastronomic tourism, tourism destination identity and branding, participative tourism development and e-tourism. Dr Osman carries with her an array of experience which ranges from human resources to marketing (image and branding) and tourism. She is also on the Editorial Advisory Board for several journals and has been invited as keynote

or guest speaker for local and international seminars and conferences. Being in an academic and a research environment, coupled with vast hands-on experience in the industry, she helps organizations in competency and capacity-building through training and consultations. She believes in interacting and experiential learning and has conducted many workshops in different sectors, including government and private.

Suzari Abdul Rahim is a senior lecturer in the Graduate School of Business, Universiti Sains Malaysia. He received his PhD in Supply Chain Management from Brunel University of London, UK. His current research interests include Halal logistics and supply chain management, and investigating improvements for the Halal industry and community.

Nor Aida Abdul Rahman is Associate Professor at Universiti Kuala Lumpur, Malaysia and currently serves as a Head of Aviation Management at Universiti Kuala Lumpur, Malaysian Institute of Aviation Technology, in Subang, Selangor, Malaysia. She has worked as internal and external trainer in management, supply chain, Halal logistics and postgraduate research. Her research work has appeared in several reputable academic journals such as *Industrial Marketing Management*, *Journal of Islamic Marketing* and others. She has also published a number of book chapters and refereed conference proceedings, and been part of the editorial team for a book project with Routledge. She is on the working group panel of MS2400 Halal Supply Chain standard and TC10 for Halal Supply Chain Standard (SMIIC). She earned a PhD in Management (Supply Chain Management) from Brunel University, London, UK. She is also an academic advisor in college, a chartered member for the Chartered Institute of Logistics and Transport Malaysia (CILTM), an HRDF Certified Trainer, chairman (Academic Committee) for the Malaysian Association of Transportation, Logistics and Supply Chain Schools (MyATLAS), vice president (research journal) for the Institute for Research in Management and Engineering UK (INRME), JAKIM Halal Certified Trainer, UniKL Halal Professional Board and a member of Academy of Marketing, UK.

Noorul Shaiful Fitri Abdul Rahman is an associate professor in Maritime Logistics Operations and Transport at the International Maritime College of Oman. He is now the Head of the Department Logistics Management. He received his Master's in Transport and Maritime Management from ITMMA, University of Antwerp, Belgium, in 2009; his PhD in Maritime Logistics Operations from Liverpool John Moores University, UK, in 2012; and his post-doctorate in Maritime Logistics Operations from the University of Liverpool in 2015. He has published about 52 refereed journal articles and 41 conference papers under his research interests of logistics management, warehousing operations, supply chain studies, logistics 4.0, maritime operations, shipping and port management, container terminal, and risk assessment management by using various multiple criteria decision-making approaches (e.g., Bayesian Networks, Analytical Hierarchy Process, Fuzzy Logic, Rule-based

Reasoning, TOPSIS, Risk Matrix, Broda Method, Bowtie, Critical Path Analysis, Evidential Reasoning, Fault Tree Analysis, Event Tree Analysis, Cause and Effect Analysis, SWOT/TOWS Analysis, etc.).

Raja Zuraidah Raja Mohd Rasi is an associate professor of Supply Chain and Operations Management at Universiti Tun Hussein Onn Malaysia. She received her Bachelor of Technology Management, majoring in Manufacturing from the Universiti Teknologi Malaysia; and holds a PhD in Industrial Sciences from Swinburne University of Technology, Melbourne, Australia. Her research interests include sustainable supply chains, sustainability and operations performance.

Nor Bakhriah Sarbani is a lecturer at PICOMS International University College, Kuala Lumpur. She has passed her Doctoral Philosophy viva in Transport Logistics at Malaysia Institute of Transport recently. She obtained her MSc in Transport and Logistics (2014) from Universiti Teknologi MARA, and her Bachelor of Business Administration Transport (Hons) in 2004 from University Teknologi MARA, Shah Alam. Her doctoral thesis combines several research perspectives from logistics and supply chain point of view particularly cross border logistics, trade facilitation, logistics operational strategy, Halal logistics and supply chain and trade logistics. In 2014, during her PhD, she was selected as an exchange student to represent Universiti Teknologi MARA to Turku School of Economics, Turku University, Finland under the North South-South programme.

Muhammad Zaly Shah obtained a BSc in industrial engineering from Bradley University, Peoria, Illinois, US, and an MSc and PhD in Transportation Planning from Universiti Teknologi Malaysia, Skudai Johor, Malaysia. He worked with a major Japanese manufacturing firm and an international airline before joining academia in 2002. Currently, he is a professor in the field of Transportation Planning at the Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia. He has published extensively, and his articles have appeared in *Safety Science*, *Transport Review*, *Land Use Policy* and *Traffic Injury Prevention*, among others. His current research interests include pedestrian modelling and traffic safety. Muhammad Zaly Shah is a Chartered Fellow of the Chartered Institute of Logistics and Transport. He was the recipient of an Outstanding Teaching Award in 2007 and Outstanding Service Award in 2015. He also sits on the Board of Directors for Johor Public Transport Corporation – a government-linked corporation that regulates public transportation services in the state of Johor, Malaysia.

Mohd Farid Shamsudin is an associate professor of Universiti Kuala Lumpur specializing in marketing research. He has 22 years of experience working in the banking and telecommunication industries. Prior to joining UniKL he was a senior product manager at a large telecommunication company and actively participated in writing and attending conferences.

Kosei Sugawara is a coordinator and special officer of a Japanese non-governmental organization (NGO), coordinating many types of collaboration between Malaysia universities and companies. He is currently in Take Co. Ltd, as a director, operating subsidiary company business in Malaysia (Takexco Malaysia Sdn Bhd) to control Halal-certified products and its sales in Malaysia and other ASEAN countries.

Narissara Sujchaphong is a lecturer at Mahasarakham Business School, Mahasarakham University, Thailand. She obtained a PhD in Management from Brunel University, and an MA in Marketing from London Metropolitan University, UK. She has published in internationally refereed journals. She has contributed to several books such as *Asia Branding* and *Branding in Higher Education*. Her research interests span areas of internal branding, university branding, B2B branding and brand-related leadership.

Mohamed Syazwan Ab Talib is an assistant professor of Logistics Management at the UBD School of Business and Economics, Universiti Brunei Darussalam. He holds a PhD in Management from Universiti Teknologi Malaysia, an MBA from Universiti Selangor, and a BBA from Universiti Teknologi MARA. He was a senior lecturer in Marketing at Azman Hashim International Business School, Universiti Teknologi Malaysia and formerly a lecturer in Logistics Management at the Faculty of Business and Information Science, UCSI University. His research and teaching focus primarily on logistics and supply chain management, specializing in Halal principles, distribution and standards.

Mohd Iskandar bin Illyas Tan is a senior lecturer at Azman Hashim International Business School (AHIBS). He holds a Doctor of Philosophy Degree in Information Science from the Faculty of Computing, Universiti Teknologi Malaysia. Due to his interest in entrepreneurship and frequent involvement in such activities, he co-founded a company called HOLISTICS Lab Sdn Bhd that commercialized QuikHalal, the cloud-based mobile Halal auditing application. HOLISTICS Lab is also a training provider recognized by JAKIM Halal Professional Board. He received various awards including the 2015 Halal Hi-Tech Challenge and received grants from UTM and PlatCOM Venture. In addition, he has been recognized by various agencies in Malaysia and has received support from the Halal Hub Division, JAKIM, Penang Islamic Affairs Department, Penang International Halal Hub, Malaysian Global Innovation and Creativity Center (MaGIC), Malaysian Industry-Government Group for High Technology (MiGHT) and the Ministry of Higher Education, Malaysia to further develop QuikHalal.

Ramayah Thurasamy is currently a professor of Technology Management at University Sains Malaysia, a visiting professor at King Saud University, Kingdom of Saudi Arabia, Universiti Malaysia Sarawak, (UNIMAS) and Universiti Teknologi Malaysia (UTM), and an adjunct professor at Sunway University, Multimedia University (MMU) and Universiti Tenaga Nasional (UNITEN), Malaysia. He graduated with a Master's of Business administration

from Universiti Sains Malaysia, Penang, Malaysia. His research interest is in technology management.

Fathien Azuien Yusriza graduated from the Malaysian Institute of Aviation Technology (UniKL MIAT), Subang, Malaysia with a Bachelor's Degree in Aviation Management. She is also a Master's candidate at UniKL MIAT, where she is furthering her research study on the effectiveness of aviation's supply chain management operation. Her interest in research relating to aviation's procurement supply chain began from the day she completed her undergraduate thesis on the effectiveness of inventory management in airline operation. She will complete her Master's by the end of 2022 and aspires to serve and bring meaningful conversations to the table that will benefit the aviation industry as a whole.

Haliza Mohd Zahari is a senior lecturer at the Faculty of Defence Studies and Management, National Defence University of Malaysia (NDUM). Prior to her NDUM secondment in 2018, she served the Royal Malaysian Navy for 25 years as a naval officers. Haliza Zahari holds a PhD in Technology, Operation and Logistics from Universiti Utara Malaysia. Her research interests are defence logistics, humanitarian logistics, supply chain management and logistics and transportation. She has been teaching Logistics and Supply Chain Management courses for undergraduate and Procurement Management for Master's in Business Administration. Currently she is working on three Ministry of Education grants: Team Leader for Transdisciplinary Research Grant Scheme (TRGS) on Humanitarian Logistics Support Research, Team Leader for Fundamental Research Grant Scheme (FRGS) on Eliminating Old Vehicle Impacts Towards B40 Well-Being Research and as a Team Members in FRGS research on Depression, Anxiety, Stress, Work Life Balance and Emotional Intelligence in Malaysian Armed Forces. She is an active member of the Chartered International of Logistics and Transportation.

Ruzaidin Mohammed Zain is a graduate research assistant at the National Defense University of Malaysia (NDUM) where he is pursuing a doctorate in Humanitarian Logistics. Prior to his appointment in NDUM, he served for 13 years as a Naval Officer in the Royal Malaysian Navy. Graduating with a Master's degree in Project Management from the University of Malaya, he is very interested in the research areas of defence logistics, humanitarian supply chain management and project management. His current research projects are on logistics support coordination in humanitarian aid and disaster relief, as well as studying the impact of old vehicle elimination towards low-income population well-being. He is actively involved in both projects as a research team member.

Siti Balqis Zulfigar is a senior lecturer at Bioprocess Technology Industry at the School of Industrial Technology, Universiti Sains Malaysia. As a strong advocate of green technologies, her research interest focuses especially on biocatalysis, enzymatic hydrolysis and unearthing bioactive peptides from

natural resources. She is currently teaching the undergraduate subjects of Enzyme Technology, Safety and Quality of Bioprocess Products and Practical of Downstream Processing at Universiti Sains Malaysia.

Nur Najihah binti Zulkifli was born in Jitra, Kedah and had her secondary education at Maahad Muhammadi Perempuan, Kota Bharu. She currently is in her final year pursuing Bachelor of Science with Honours (Food Biotechnology), in Universiti Sains Islam Malaysia (USIM). She is one of the committee members in the Halal Istihlak (Consumerism) Seminar, Exhibition and Competition (HISEC 2018) organized by Institute of Halal Research and Management, USIM. She also involved with the Activities Committee in the Halal Food Seminar (HAFOS 2019), organized by USIM. She enjoys traveling and has participated in voluntary works internationally through Global Islamic Society Outreach (GISO) to Yogyakarta, Indonesia as a vice-president. Enthusiastic in learning foreign languages, she enrolled in multiple elective classes for Mandarin, Japanese and French language during her study years in USIM. She currently is an intern student at International Institute for Halal Research and Training. Najihah hopes to complete her degree and works as a competent food biotechnologist in the Halal industry or related fields.

Introduction

*Nor Aida Abdul Rahman, Azizul Hassan and
Hajjah Zawiah Abdul Majid*

The Halal industry is seen as a key vehicle for economic growth for many countries, including non-Muslim countries. It stimulates the economy through import-export activities, tourism and travel, and value-added trade, as well as industry and academic research. The Halal industry has expanded from Halal food and beverage to Halal banking, Halal hotels, Halal tourism, Halal retailing, Halal auditing, Halal clothing, Halal cleaning and Halal logistics. Halal logistics is an innovation in the logistics industry where it refers to the Halal management system in maintaining Halal integrity of the Halal product throughout the supply chain, especially focusing on transporting and warehousing activities. The aim of Halal logistics is to maintain the integrity of Halal status products from the point of origin to the point of consumption. It ensures the activities and equipment used in handling Halal products throughout transport and warehouse activities are in accordance with Islamic law or known Shariah principles.

This book is unique in providing a composite overview of Halal in the logistics and supply chain areas by groundbreaking research, application, theoretical, review, conceptual model and experience by practitioners as well as academicians. Expert contributors from research and practice provide relevant discussion on Halal logistics and supply chain issues across the globe. This book is very special as it gathers its contributors from three regions, namely Asia, the Middle East and the West. The contributors are from Spain, the United Kingdom, South Korea, Japan, Oman, Thailand, Brunei and Malaysia.

This not only opens up new areas for future research in the wider context of Asia, the West and the Middle East, but also allows readers to access information regarding Halal logistics and supply chains, current issues and development, future trends, international issues, international trends and the theory and practice of Halal in the logistics sector. This book will be beneficial to those in logistics, supply chain management, the Halal industry, marketing, transportation and warehouses.

This book will be a valuable resource for readers as it provides basic and advanced material that informs the reader about Halal logistics and supply chain management from a wide context, covering the Middle East, Asia and Western countries. This book is a contribution towards the very limited knowledge of Halal logistics and supply chain management in the wider region. The book aims

to accommodate recent developments in the Halal logistics industry, as well as highlighting recent developments and issues including technology application, updates on regulatory and certification procedure, management systems and quality control, as well as challenges caused by the COVID-19 pandemic and the controversial issue of Halal logistics meat cartels. This book carefully addresses and unifies the issues in the Halal logistics industry.

Chapter 1 addresses recent issues and trends of Halal logistics and supply chain management in context of Asia, the West and the Middle East. In this chapter, Hamid and Rahman aim to build a solid background of Halal logistics and supply chain research in these three regions. A number of future research recommendations are also provided.

In Chapter 2, Rahman, Mahroof, Hassan and Sujchaphong provide a brief history of standard development at the local and international level, providing the International Halal Logistics Standard (IHIAS), the Standards and Metrology Institute for Islamic Countries (SMIIC) and the Malaysia Standard (MS) as principal references. The authors also provide a future agenda for researchers in the context of Halal standards.

In Chapter 3, Talib, Ngah and Kurniawati systematically review and discuss their findings on Halal theories used in Halal logistics and supply chain management (HLSCM) research. Theories used in HLSCM research are then categorized into relevant theory groups.

Chapter 4 is a literature review discussion on various theories applied in Halal logistics and supply chain research. This research project by Nee and Mohamad conducts a systematic analysis to assess published Halal logistics and supply chain academic literature in the past decade. This chapter also elaborates on theoretical aspects of future research recommendation.

In Chapter 5, Hamid and Tan determine critical success factors of traceability technology in Halal logistics and supply chain. The goal of this system is to implement a Halal control system by tracking and tracing all product handling and delivery operations. This also enables entire corporate visibility, resulting in improved profits, lower costs and fewer human errors while maintaining the Halal product's purity from point of origin to point of consumption.

Shamsudin and Majid in Chapter 6 provide an explanation on the critical success factor for traceability in Halal logistics. Integration of technology and traceability in the Halal industry helps the Halal stakeholders evaluate the effectiveness of using specific information technology systems in logistics.

Zahari, Zain and Azhar in Chapter 7 develop a conceptual framework for Halal logistics sustainability. A Halal logistics sustainability framework was developed by adopting technology as monitoring tools for Halal compliance. This framework is crucial and will be used as a guideline by the researchers and the industry in Halal logistics management for effective implementation.

Omar, Sarbani, Osman, Omar and Jaafar in Chapter 8 highlight the Islamic work ethics and controversial issue of the Halal meat cartel case in the Halal meat supply chain. They emphasize that the recent scandal of the meat cartel needs to

be further evaluated, specifically on its issues and challenges, including its impact on the local producers and consumers at large.

Ahmad, Shah and Hamid in Chapter 9 also discuss the Halal meat cartel case, but from a legal perspective. This study provides the Halal legal framework from the regulators' perspective. Additionally, findings suggest that individual officers must gain relevant knowledge by taking the relevant legal training and education in relation to the investigation and prosecution of any issue related to this Halal logistics controversy.

In Chapter 10, Ahmad, Zulfigar, Farudz and Zulkifli discuss Halal integrity in the supply chain and the Halal integrity effects of the fake Halal meat cartel scandal. This interesting topic highlights the chronology of the event and discusses the multiple implications of this scandal for direct and indirect stakeholders.

In Chapter 11, Ngah, Gabarre and Thurasamy discuss Halal transportation adoption by small and medium-sized enterprises (SMEs) in Malaysia, utilizing a Partial Least Square (PLS) structural equation modelling approach. Their findings show that complexity, cost, and supplier availability are obstacles, while competitive pressure and organizational readiness are facilitators to the acceptance of Halal transportation by Malaysian Halal SMEs.

In Chapter 12, Ustadi and Osman discover interesting challenges in Halal port development. This chapter addresses the question of how port authorities tackle the challenges in this dynamic market environment in terms of the industrial complex, value-added logistics hub and transport hub.

In Chapter 13, Ustadi, Osman and Rasi provide information on Halal logistics and supply chain quality control, using Malaysia as a case study. This chapter highlights a few simple ways of implementing Halal logistics, supply chains and quality control that could enhance the total implementation concept at the least cost to create benefit to all society. The chapter also deals with a few possible implementations and practice aspects to facilitate the Halal logistics approach in daily operations in Malaysian practices.

In Chapter 14, Noh explores the developments of the Halal industry in South Korea, focusing on the pilot project of Halal logistics. This chapter records the key results of major projects for each year in chronological order, including an in-depth survey of the Halal logistics industry in 2017, a survey on Halal product production, distribution and Halal logistics demand in 2018, and the implementation of a Halal logistics pilot project in 2019.

In Chapter 15, Jamaludin and Sugawara explain Halal logistics certification in Japan. Also discussed are the seven Foreign Halal Certification Bodies (FHCBS) certified by JAKIM, with its own Halal Certificates and Halal Logo.

Mayor-Vitoria in Chapter 16 provides information regarding Halal market opportunities and logistics in Spain. The chapter provides an initial overview of the current state of Halal certification in Spain and highlights the opportunities that can be generated in the near future in the logistics field.

In Chapter 17, Rahman and Balushi discuss the developments of Halal certification and opportunities of Halal logistics certification in the Middle East. This

study also highlights a dearth of past studies focusing on the Halal logistics issue in the Middle East region.

Chapter 18 by Khairuddin, Yusriza, Rahman, Mohamed, Rahim and Ahmad highlights the effects of the COVID-19 pandemic on Halal logistics and supply chain management research. The chapter discusses the major challenges and possible solutions to sustainability in the Halal industry in the future.

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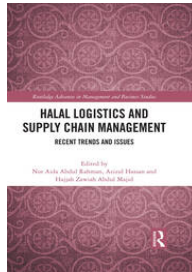
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Halal integrity in the supply chain

The impacts of the fake Halal meat cartel scandal towards Halal integrity

By *Anis Najiha Ahmad, Siti Balqis Zulfigar, Baiduri Zaiyyanna Mohd Farudz, Nur Najihah binti Zulkifli*

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