

CURRICULUM VITAE



PERSONAL DETAILS

Full Name : NORHARIANI BINTI MOHD NOR			Title: Dr
Citizenship: Malaysian	Race: Malay		Gender: Female
Designation: Senior lecturer	Appointment Status: Permanent	H-index: 8 Citation: 320 (Scopus)	Date of Birth: 20 Oct 1981
CURRENT ADDRESS B-2-1, Laman Suria Apartment, Taman Kajang Utama, 43000, Kajang, Selangor. Phone: 03-96793417	DEPARTMENT/FACULTY: Department of Veterinary Preclinical Science, Faculty of Veterinary Medicine, Universiti Putra Malaysia, 43400 Serdang, Selangor Phone: 03-86093422 Fax: 03-96791971		E-MAIL ADDRESS AND URL: E-mail: norhariani@upm.edu.my URL: URL: www.upm.edu.my http://orcid.org/0000-0001-8577-0634 Scopus ID: 55169607600 H/P: 010-7786243

ACADEMIC QUALIFICATION

Certificate / Qualification	Name of School / Institution	Year obtained	Area of Specialization
Doctor of Philosophy (PhD)	Utrecht University, The Netherlands	2015	Animal health economics: Economics of dairy heifer rearing in The Netherlands
Master Veterinary Science (MSc)	Utrecht University, The Netherlands	2010	Veterinary Epidemiology and economics
Doctor of Veterinary Medicine (DVM)	Universiti Putra Malaysia	2006	-

THREE (3) RESEARCH FOCUS AREA

Animal health economics
Ruminant production specializing in dairy young stock
Aquatic animal health

CURRENT PROFESSIONAL MEMBERSHIP

International Society of Social Science and Economics for Animal Health (ISESSAH)

Malaysian Society of Animal Production (MSAP)

Malaysian Fisheries Society (MFS)

PUBLICATIONS

Journal	• Q1: Yong Kit Chin, Mohamad Azzam-Sayuti, Aslah Mohamad, Wan Omar Haifa-Haryani, Mohd Ihsanuddin Ahmad, Muhammad Farhan Nazarudin, Nur Shidaa Mohd Ali, Md Yasin Ida-Muryany, Murni Marlina Abd Karim, Salleh Annas, Mohd Nor Norhariani, Mohammad Noor Azmai Amal, Md Yasin Ina-Salwany. Elucidation of synbiotic diet comprising of Lactobacillus plantarum L20 and Sargassum polycystum on gastrointestinal microbiota, tissue structures and AHPND associated dysbiosis susceptibility in black tiger shrimp (<i>Penaeus monodon</i>), Aquaculture, Volume 594, 2025. • Q2 (CA): Ang, Xin Tong, Sithambaram, Shanmugavelu, Hiew, Mark Wen Han, Khairuddin, Uswah, Shapiai, Mohd Ibrahim, Mohd Suhaimi, Nurul Aisyah and Mohd Nor, Norhariani*. Cost Estimation for Rearing Dairy Young Stock in Sabah, Malaysia: A Stochastic Model Accounting for Calf Mortality Uncertainty. 2024, Studies in Agricultural Economics. Vol 126, Issue 3, Pages 156-166 • Q2: Nor Amna A'liah Mohammad Nor, Mark Buda*, Norhariani Mohd Nor, Kelly Wong Kai Seng, Juwaidah Sharifuddin, & Syahrin Suhaimee. (2024). Cost Efficiency Analysis of Broiler Production in Peninsular Malaysia. Tropical Animal Science Journal, 47(3), 402-408. • (CA): Fadzlina Afifah A. Samad, Norhariani Mohd Nor, Muhammad Redzuan Azmi, Hasliza Abu Hassim, Mark Buda, Md Zuki Abu Bakar, Annas Salleh, & Mohd Zamri Saad. (2024). The Management System of Dairy Buffalo in Peninsular Malaysia. Asian Journal of Dairy and Food Research, 10.18805/ajdfr.DRF-388, 2024 • Yong Kit Chin, Wan Omar Haifa-Haryani, Muhammad Farhan Nazarudin, Mohd Ihsanuddin Ahmad, Mohamad Azzam-Sayuti, Aslah Mohamad, Md Yasin Ida-Muryany, Murni Karim, Annas Salleh, Mohammad Noor Azmai Amal, Mohd Nor Norhariani, Md Yasin Ina-Salwany. In vivo assessment of Lactobacillus plantarum strains in black tiger shrimp (<i>Penaeus monodon</i>): implications for growth performance, probiotic-pathogen interaction, and defense against AHPND infection. Aquaculture International, 2024, 32(4), pp. 4091–4122 • Chin, Y.K., Haifa-Haryani, W.O., Nazarudin, M.F., Norhariani, M.N., Ina-Salwany, M.Y. The synergistic Lactobacillus plantarum L20 and Sargassum polycystum -added diet for improvement of Black tiger shrimp, <i>Penaeus monodon</i> 's growth, immune responses, bacterial profiles, and resistance against <i>Vibrio parahaemolyticus</i> associated Acute hepatopancreatic necrosis disease (AHPND) infection, Aquaculture Reports, 2024, 34, 101903 • SCOPUS: Ramachandren, P.V., Ramanoon, S.Z., & Mohd Nor, N. (2024). Environmental and biosecurity-related risk factors for African swine fever outbreaks in Peninsular Malaysia. Acta Veterinaria Eurasia, 50(1), 65-76. • Q2: Michael, P., de Cruz, C.R., Mohd Nor, N., Saadiah Jamli, Goh Yong Meng. Evaluation of heat stress threshold and impacts on milk yield in dairy cattle crossbreds in a hot and humid climate. Theor Appl Climatol 154, 235–244 (2023). https://doi.org/10.1007/s00704-023-04549-3 • Q1: M. Nurliyana, S. Jumria, B. Lukman, M.Y. Ina-Salwany, M. Zamri-Saad, S. Annas, M.K. Keong, M.N. Norhariani, R. Rozi, M.N.A. Amal. An outbreak of lymphocystis disease virus infection in cultured juvenile John's snapper (<i>Lutjanus johnii</i>) in Malaysia. Aquaculture Journal. 571, 739502. 2023 • Q1: Thanusha Raju, Tilusha Manchanayake, Amir Danial, Mohd Zamri-Saad, Mohammad Noor Amal Azmai, Ina Salwany Md Yasin, Norhariani Mohd Nor and Annas Salleh. Evaluating the Intestinal Immunity of Asian Seabass (<i>Lates calcarifer</i>, Bloch 1790) following Field Vaccination Using a Feed Based Oral Vaccine. Vaccines. 11(3), 602; https://doi.org/10.3390/vaccines11030602 . 2023.
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- Q2 : (CA) Tan Chen Tung, Uswah Khairuddin, Mohd Ibrahim Shapiai, **Norhariani Md Nor**,* Mark Wen Han Hiew and Nurul Aisyah Mohd Suhaimie. "Calf Posture Recognition Using Convolutional Neural Network". Computers, Materials & Continua. 74 (1), <https://doi.org/10.32604/cmc.2023.029277> 2023 . 2023.
- Scopus: Livestock Posture Recognition Using Deep Learning. Tung T.C., Khairuddin U., Shapiai M.I., **Nor N.M.**, Hiew M.W.H., Suhaimie N.A.M. 4th International Conference on Smart Sensors and Application: Digitalization for Societal Well-Being, ICSSA 2022, 2022, pp. 81–85
- Q1: Michael, Predith, Clement R. de Cruz, **Norhariani Mohd Nor**, Saadiah Jamli, and Yong M. Goh. "The Potential of Using Temperate–Tropical Crossbreds and Agricultural By-Products, Associated with Heat Stress Management for Dairy Production in the Tropics: A Review" Animals. 12, no. 1: 1. <https://doi.org/10.3390/ani12010001>. 2022.
- (CA) Tong, Ang Xin, **Norhariani Mohd Nor**, Shanmugavelu Sithambaram, Mark Wen Han Hiew, Uswah Khairuddin, Mohd Ibrahim Shapiai, Nurul Aisyah Mohd Suhaimi, Peter Lee Ah Kong, and Muhammad Ali Hanapiah. "The Growth Performance and Costs of Rearing Friesian Crossbreed Dairy Young Stock in Malaysian Commercial Farm". Jurnal Manajemen & Agribisnis 18 (3), 362. <https://doi.org/10.17358/jma.18.3.362>. 2021.
- Q1 (CA): Mohd Yazid SH, Mohd Daud H, Azmai MNA, Mohamad N and **Mohd Nor N**. Estimating the Economic Loss Due to Vibriosis in Net-Cage Cultured Asian Seabass (Lates calcarifer): Evidence From the East Coast of Peninsular Malaysia. Front. Vet. Sci. 8:644009. doi: 10.3389/fvets.2021.644009. 2021
- Q1: Mohd Azmi, Amirul F., Hafandi Ahmad, **Norhariani Mohd Nor**, Goh Y. Meng, Mohd Z. Saad, Md Z. Abu Bakar, Punimin Abdullah, Anuraga Jayanegara, and Hasliza Abu Hassim. Effects of Concentrate and Bypass Fat Supplementations on Growth Performance, Blood Profile, and Rearing Cost of Feedlot Buffaloes. Animals 11, no. 7: 2105. <https://doi.org/10.3390/ani11072105>. 2021.
- Q1: Mohd Azmi, A.F.; Ahmad, H.; **Mohd Nor, N.**; Goh, Y.-M.; Zamri-Saad, M.; Abu Bakar, M.Z.; Salleh, A.; Abdullah, P.; Jayanegara, A.; Abu Hassim, H. The Impact of Feed Supplementations on Asian Buffaloes: A Review. Animals, 11, 2033. <https://doi.org/10.3390/ani11072033>. 2021.
- SCOPUS (CA) Ang, X.T., **Mohd Nor, N.**, Hiew, M.W.H., Khairuddin, U., Tan, C.T., Shapiai, M.I., Suhaimi, N.A.M. and Lee, P.A.K. Estimating Dairy Young Stock Rearing Cost of Different Management Systems in Keningau, Sabah, Malaysia. Asian Journal of Dairy and Food Research. DOI: 10.18805/ajdfr.DR-217. 2021.
- Q1: Mohd Azmi AF, Abu Hassim H, **Mohd Nor N**, Ahmad H, Meng GY, Abdullah P, Abu Bakar MZ, Vera J, Mohd Deli NS, Salleh A, Zamri-Saad M. Comparative Growth and Economic Performances between Indigenous Swamp and Murrah Crossbred Buffaloes in Malaysia. Animals; 11(4):957. <https://doi.org/10.3390/ani11040957>. 2021.
- Ali, E., Sabri, **Mohd Nor, N.**, Rani, P., Yusof, R & Wijekoon, R. Determinants of pet owner's loyalty using modified SERVQUAL. Management Science Letters, 11(4), 1245-1252. 2021.
- Q1 (CA): **Norhariani M. N.**, Siti Hajar M. Y, Hassan M.D, Mohammad Noor Amal A. and Nurliyana M. Costs of management practices of Asian Sea bass cage culture in Malaysia using stochastic model that include uncertainty in mortality. Aquaculture Journal. 2019. <https://doi.org/10.1016/j.aquaculture.2019.04.042>
- (CA) Ang Xin Tong, **Norhariani Mohd Nor**, Dikky Indrawan and Nurul Aisyah Mohd Suhaimi. A Review: Should small holder dairy farms rear own young stock?. Malaysian Journal of Animal Science Vol. 22 (2) December 2018.
- Q2 (CA): **N. Mohd Nor**, W. Steeneveld, T. H. J. Derkman, M. D. Verbruggen, A. G. Evers, M. H. A. de Haan, and H. Hogeveen. The total cost of rearing a heifer on Dutch dairy farms: calculated versus perceived cost. Ir Vet J. 68: 29, 2015.
- Q1 (CA): **Mohd Nor, N.**, W. Steeneveld, and H. Hogeveen. The optimal number of heifer calves to be reared as dairy replacements. J. Dairy Science 98 :861-71, 2015.
- Q2 (CA): **Mohd Nor, N.**, W. Steeneveld, and H. Hogeveen. The average culling rate of Dutch dairy herds over the years 2007 to 2010 and its association with herd reproduction, performance and health. J. Dairy Research 81 :1-8, 2014.

	- Q1 (CA): Mohd Nor, N., W. Steeneveld, T. van Werven, M. C. M. Mourits, and H. Hogeveen. First-calving age and first-lactation milk production on Dutch dairy farms. J. Dairy Sci. 96 :981-992, 2013. - Q1 (CA): Mohd Nor, N., W. Steeneveld, M. C. M. Mourits, and H. Hogeveen. Estimating the costs of rearing young dairy cattle in the Netherlands using a simulation model that accounts for uncertainty related to diseases. Preventive Veterinary Medicine 106 :214-224, 2012.
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CURRENT RESEARCH PROJECT					
Grant	Project Title	Role	Year	Source of fund	Status
GPPP	Upscaling Production and Field Validation of Aquabooster UPM Feed-based Vaccine against Streptococcosis and Aeromoniasis in Freshwater Fish	Project member	2024	UPM RM87,166.	On-going
IDRC	Innovet 2.0: Economic loss due to Vibriosis on shrimp farms	Leader	2024-2026	IDRC RM110,000	On-going
TRGS	Enhancing feeding protocol using agricultural by-products and buffalo herd health protocol to enhance buffalo milk production and quality	Project member	2020-2024	Ministry of Higher Education (MOHE) RM 400,300	On-going
PAST RESEARCH PROJECT					
Project No.	Project Title	Role	Year	Source of fund	Status
GCRF	Upscaling Production of a Feed-Based Vaccine against Vibriosis for Marine Fishes: A Comprehensive Evaluations of Economic Implications for Low Middle Income Countries (LMICs).	Project member	2023-2024	GCRF (RM430,000)	Completed
IPM	Economics of Shrimp Survival Rate in Grow-Out Culture	Project member	2022-2024	(GP-IPM) RM40,000	Completed
EEPSEA	Proposal development: Economics of SMART farming along the aquaculture and fisheries chains to support climate change resilience and poverty reduction in Southeast Asia	Leader	2022-2023	The Economy and Environment Partnership for Southeast Asia (EEPSEA) (USD10,000)	Completed
TRGS	Evaluating the effects of vibriosis vaccination on socio-economic of cage culture marine fish industry	Leader	2019-2023	Ministry of Higher Education (MOHE) RM195,000	Completed
IDRC Vot: 6380034.	Integrated Quorum Quenching Strategies to Reduce Antimicrobial Resistance in Shrimp	Project member	2020-2023	IDRC, Canada and (GAMRIF), United	Completed

	Aquaculture (i-QAS)			Kingdom (RM4.5 mil)	
FRGS/1/2019/SS08/UNISZA/03/1	Unravelling the input-specific technical efficiency and fundamental cost of Charolais mixed breed (lembu sado) farms using multidirectional efficiency analysis and bioeconomic model	Project member	2019-2022	MOHE/ RM86,000	Completed
MYGRS	Precision Veterinary Surveillance System to support dairy young stock rearing decisions	Leader	2020-2022	MRUN/ RM250,000	Completed
UPM/GIPS/2016/9507700	Customer Service satisfaction in veterinary clinics	Project member	2018-2020	UPM/ RM20,000	Completed
UPM/GIPB/2016/9484103	Economic impact of vaccinating against Vibriosis in cage culture of Asian Seabass	Leader	2016-2018	UPM/ RM113,000	Completed

CONSULTANCY PROJECT

Agency	Total allocation	Role	Year	Duration	Title/Status
ITAD	RM5,000	Consultant	2025	5 months	Impact evaluation of the Newton Fund/ Ongoing
Ministry of rural development	RM20,000	Leader	2019	3 months	Sahabat KPLB-SULAM KPM : Bengkel penternakan ikan siapak ke arah meningkatkan sosioekonomi penternak di Kg Bandar/ completed
Department of Veterinary Services	RM126,555	Leader	2019	5 months	Kajian prestasi ekonomi penternakan arnab di Kawasan Lembah Klang (Negeri Selangor dan Wilayah Persekutuan Kuala Lumpur)/ completed
Department of Veterinary Services	RM273,993.70	Member	2017	3 months	Kajian Kebolehlaksanaan Projek Hospital Veterinar/ completed
Ministry of Higher Education	RM66,000	Member	2017	1 year	Siswapreneur@SME/ completed