

Curriculum vitae



April 22, 2018

1 Personal particulars

Name Dr. Wan Nor ARIFIN Bin Wan Mansor
Address Unit of Biostatistics and Research Methodology, School of Medical Sciences, Health Campus, Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia.
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2 Qualifications

2006 M.B.B.S. Bachelor of Medicine, Bachelor of Surgery. International Islamic University of Malaysia.
2012 M.Sc. (Medical Statistics). Universiti Sains Malaysia.

3 Employment

3.1 Present position

2013-present Senior Lecturer. Unit of Biostatistics and Research Methodology, Universiti Sains Malaysia.

3.2 Previous positions

2012-2013 Lecturer. Unit of Biostatistics and Research Methodology, Universiti Sains Malaysia.

2009-2012 Trainee Lecturer. Unit of Biostatistics and Research Methodology, Universiti Sains Malaysia.

2009 Medical and Health Officer. Ayer Lanas Health Clinic, Jeli, Kelantan, Malaysia.

2008-2009 Medical Officer. Hospital Raja Perempuan Zainab II, Kota Bharu, Kelantan, Malaysia.

2007-2008 House Officer. Hospital Raja Perempuan Zainab II, Kota Bharu, Kelantan, Malaysia.

3.3 Relevant Administrative Responsibilities

2014-present Year 2 Coordinator, M.Sc. (Medical Statistics) programme, Universiti Sains Malaysia.

2013-present Member, Curricular Review Committee for M.Sc. Medical Statistics.

2012-2014 Year 1 Coordinator, M.Sc. (Medical Statistics) programme. Universiti Sains Malaysia.

4 Awards, Fellowships and Scholarships

2017 Anugerah Khidmat Cemerlang (Excellent Service Award).

2010-2012 Ministry of Education of Malaysia Scholarship (SLAB).

2010 Dean's List Award, M.Sc. (Medical Statistics).

2001-2006 Public Service Department of Malaysia Scholarship.

5 Professional Affiliations

2016-present Fellow member, Royal Statistical Society, UK.

2017-present Lifetime Member, Malaysian Psychometrics Association, Malaysia.

2015-2016 Member, Malaysian Psychometrics Association, Malaysia.

6 Research Interests

- Latent variable models (factor analyses, item response theory, finite mixture models)
- Attitudes towards statistics
- Validation of questionnaires for use in medical and health sciences

7 Research and Grants

7.1 Completed

1. Attitude towards statistics among postgraduate students in Universiti Sains Malaysia. Universiti Sains Malaysia, Short Term Grant 304/PPSP/61313055, RM23,405.20. **Wan Nor Arifin** (Principal Investigator), Muhammad Saiful Bahri Yusoff, Sarimah Abdullah. 1/9/2014-31/8/2017.
2. A Randomized Controlled Trial of Effectiveness of "One Minute Exercise" in Reducing Blood Pressure Among Hypertensive Patients, Universiti Sains Malaysia, Incentive Grant 2010/0728, RM5000.00. Wan Nor Arifin (Principal Investigator). 25/5/2010-24/5/2011.

7.2 Ongoing

1. The Effect of Modified Alternate Day Calorie Restriction on Non-Alcoholic Fatty Liver Disease (NAFLD). Universiti Sains Malaysia, Short Term Grant 304/PPSP/61313173, RM38,228.60. Chandran Nadarajan (Principal Investigator), Juhara Haron, Khairun Nisah Ibrahim, Lee Yeong Yeh, **Wan Nor Arifin**. 1/4/2016-31/3/2018.
2. Validation of the Malay Version of Extroversion Non-Verbal Personality Questionnaire in Order to Screen the Extroversion Trait and Detecting the Neural Correlate of Extroversion from Various Arousal Intensities of Visual Stimuli. Universiti Sains Malaysia, Research University Grant (Individual) (RUI) 1001/PPSP/ 812188, RM124,844.32. Mohd Nasir Che Mohd Yusoff (Principal Investigator), Mohammed Faruque Reza, **Wan Nor Arifin**, Jianjin Yuan. 15/9/2015-14/9/2017.
3. Socio-Demographic, Clinical and Epidemiological Factors of TB-HIV Coinfection in Northern Malaysia: Standardisation and Log-linear Analyses on Morbidity Rates. Universiti Sains Malaysia, Short Term Grant 304/PPSP/61313141, RM34,989.00. Najib Majdi Yaacob (Principal Investigator), Muhammad Radzi Abu Hassan, Syed Hatim Noor, **Wan Nor Arifin**. 1/6/2015-31/5/2017.
4. Governance for disaster risk reduction: Exploring emotional distress and resilience in adolescent affected by flood in Kelantan and the development of peer support group for trauma module. Ministry of Education of Malaysia, Fundamental Research Grant Scheme 203/PPSP/6171186, RM65,600.00. Maruzairi Husain (Principal Investigator), Mohd Zarawi Mat Noor, **Wan Nor Arifin**. 1/4/2015-30/4/2016.
5. Health and Safety: Psychosocial Aspects of Mental Health and Quality of Life among Survivors of Flood Disaster in Kelantan (PAMASK). Ministry of Education of Malaysia, Transdisciplinary Research Grant Scheme 203/PPSP/6765002, RM121,110.00. Hasanah Che Ismail (Principal Investigator), Asrenee Ab. Razak, Azidah Abdul Kadir, Azizah Othman, Juwita Shaaban, Mohd Azhar Mohd Yasin, Nor Azwany Yaacob, Norzila Zakaria, Sharifah Zubaidah Syed Jaafar, **Wan Nor Arifin**. 1/4/2015-30/4/2016.
6. Health and Safety: Enhancing Community-Based Education Modules Of Preparedness For Flood-Related Communicable Diseases In Kelantan. Ministry of Education of Malaysia, Transdisciplinary Research Grant Scheme 203/PPSP/6765003, RM133,496.00. Wan Mohd Zahiruddin Wan Mohammad (Principal Investigator), Alwi Muhd Besari@Hashim, Habsah Hasan, Lee Yeong Yeh, Nani Draman, Noor Aman A. Hamid, Rosnani Zakaria, Surianti Sukeri, **Wan Nor Arifin**, Zeehaida Mohamed. 1/4/2015-30/4/2016.
7. Study on Influence of Height on Limb Length Discrepancy Effect Over Hip, Knee and Spine. Universiti Sains Malaysia, Short Term Grant 304/PPSP/61313058, RM40,600.00. Abdul Razak Sulaiman (Principal Investigator), Emil Fazliq Mohd, Ismail Munajat, Rosniwati Ghafar, **Wan Nor Arifin**. 15/9/2014-14/9/2016.
8. Development and Validation of Anatomy Education Environment Measurement Inventory, Universiti Sains Malaysia, Short Term Grant 304/PPSP/61312113, RM40,000.00. Siti Nurma Haneem (Principal Investigator), Aajjaz Ahmed Khan, Asma Hassan, Fazlina Kasim, Husnaida Abdul Manan, Mohd Asnizam Asari, Nurul Aiman Mohd Yusof, **Wan Nor Arifin**, Zul Izhar Mohd Ismail, Tg Fatimah Murniwati Tg Muda. 1/4/2014-31/3/2016.
9. The Influence of Religiosity and Parenting Styles on Premarital Sexual Activity Among Adolescents in Kelantan. Universiti Sains Malaysia, Short Term Grant 304/PPSP/61312098, RM40,000.00. Maruzairi Husain (Principal Investigator), **Wan Nor Arifin**, Wan Nudri Wan Daud. 15/3/2014-14/3/2016.
10. My Body is Fit and Fabulous (MyBFF@work): An Intervention Project to Combat Obesity Among Malaysian Civil Servants in Kelantan. Institute of Medical Research of Malaysia, 304/PPSK/6150130, RM307,000.00. Wan Abdul Manan Wan Muda (Principal Investigator), Ab Aziz Al Safi Ismail, Hamid Jan Jan Mohamed, Mohamad Paiman, Mohd Ismail Ibrahim, Noor Fazlina Hamid, Nor Haslina Mohd, Tengku Alina Tengku Ismail, Wan Mohamad Wan Bebakar, Wan Mohd Izani Wan Mohamed, **Wan Nor Arifin**, Wan Rosli Wan

Ishak, Wan Suriati Wan Nik, Rohaida Ismail, Wan Nazaimoon Wan Mohamud. 1/1/2014-31/5/2017.

8 Publications

8.1 Journal Articles

1. Nozmi, N., Samsudin, S., Sukeri, S., Shafei, M. N., Wan Mohd, W. M. Z., Idris, Z., ... & Abdul Wahab, Z. (2018). Low Levels of Knowledge, Attitudes and Preventive Practices on Leptospirosis among a Rural Community in Hulu Langat District, Selangor, Malaysia. *International Journal of Environmental Research and Public Health*, 15(4), 693.
2. Zahiruddin, W. M., **Arifin, W. N.**, Mohd-Nazri, S., Sukeri, S., Zawaha, I., Bakar, R. A., . . . Aziah, D. (2018). Development and validation of a new knowledge, attitude, belief and practice questionnaire on leptospirosis in malaysia. *BMC Public Health*, 18(1), 331. <https://doi.org/10.1186/s12889-018-5234-y>
3. Ismail, T. A. T., Jalil, R. A., Ishak, W., Rosli, W., Hamid, N. F., Nik, W., . . . others. (2018). Understanding dieting and previous weight loss attempts among overweight and obese participants: Insights into my body is fit and fabulous at work program. *Korean Journal of Family Medicine*, 39(1), 15–22.
4. Yew, T. S., Sidek, M. Y., Jalil, R. A., & **Arifin, W. N.** (2017). Confirmatory Factor Analysis of the Malay Version of Utrecht Work Engagement Scale (UWES-M). *International Journal of Public Health and Clinical Sciences*, 4(5), 77-86.
5. **Arifin, W. N.**, & Zahiruddin, W. M. (2017). Sample size calculation in animal studies using resource equation approach. *Malaysian Journal of Medical Sciences*, 24(5), 101-105.
6. **Arifin, W. N.**, Yusoff, M. S. B. (2017). Item response theory for medical educationists. *Education in Medicine Journal*, 9(3), 69-81.
7. Taib, F., Isa, R., Pubalan, J. K., **Arifin, W. N.** (2017). Management behaviour of caregivers following asthma education programme (PAEP). *The Malaysian Journal of Nursing*, 8(3), 35-40.
8. Hadie, S. N. H., Hassan, A., Ismail, Z. I. M., Asari, M. A., Khan, A. A., Kasim, F., Yusof, N. A. M., Manan, H. A., Muda, T. F. M. T., **Arifin, W. N.** & Yusoff, M. S. B. (2017). Anatomy Education Environment Measurement Inventory: A Valid Tool to Measure the Anatomy Learning Environment. *Anatomical Sciences Education*, 10(5), 423-432.
9. Ong, S. M., **Arifin, W. N.**, Yaacob, N. M., Hassan, M. R. A., & Naing, N. N. (2016). Comparison of TB-HIV coinfection standardised morbidity rates in Malaysia using indirect standardisation method. *International Journal of Pharmacy and Technology*, 8(3), 19005-19016.
10. Zunura'in, Z., Ainaa, A. A. R., Bhavaraju, V. M. K., Sirajudeen, K. N. S., **Arifin, W. N.**, Suzana, S., Gan, S. H., & Hamid Jan, J. M. (2016). Anthropometric and reproductive factors among newly-diagnosed breast cancer patients and healthy women: A case-control study. *Asian Pacific Journal of Cancer Prevention*, 17(9), 4439-4444.
11. **Arifin, W. N.**, Sarimah, A., Norsa'adah, B., Najib Majdi, Y., Siti-Azrin, A. H., Kamarul Imran, M., Aniza, A. A., & Naing, L. (2016). Reporting statistical results in medical journals. *The Malaysian Journal of Medical Sciences*, 23(5): 1–7. DOI: <http://dx.doi.org/10.21315/mjms2016.23.5.1>
12. Ong, S. M., Yaacob, N. M., **Arifin, W. N.**, Hassan, M. R. A., & Naing, N. N. (2016). Comparison of TB-HIV coinfection standardized morbidity rates in Malaysia using direct standardization method. *ARPN Journal of Engineering and Applied Sciences*, 11(17), 10368-10373.
13. Chen, X., **Arifin, W. N.**, Draman, N., Wan-Arfah, N., AJalal, M. I., Chen, H. H., & Naing, N. N. (2016). A randomised controlled trial of “One Minute Qigong Exercise” on the reduction of blood pressure among patients with essential hypertension. *Focus on Alternative and Complementary Therapies*. DOI: 10.1111/fct.12254

14. Lim, B. C., Kueh, Y. C., **Arifin, W. N.**, & Ng, K. H. (2016). Psychometric evaluation of the Heart Disease Knowledge Scale: Evidence from item and confirmatory factor analyses. *The Malaysian Journal of Medical Sciences*, 23(4): 33–45. DOI: <http://dx.doi.org/10.21315/mjms2016.23.4.5>
15. Lim, B. C., Kueh, Y. C., **Arifin, W. N.**, & Ng, K. H. (2016). Validation of health promoting lifestyle profile-II: A confirmatory study with a Malaysian undergraduate students sample. *Education in Medicine Journal*, 8(2), 65-77. DOI: 10.5959/eimj.v8i2.438
16. Abdul Ghani, M. N., Tuan Kamauzaman, T. H., Mohd Fudzi, M. F. M., **Arifin, W. N.**, & Chew, K. S. (2016). Development and psychometric evaluation of Flood Disaster Management Questionnaire (FloodDMQ-BM): Exploratory factor analysis and item response theory measurement. *International Journal of Public Health and Clinical Sciences*, 3(3), 59-70.
17. **Arifin, W. N.**, & Yusoff, M. S. B. (2016). Confirmatory factor analysis of the Universiti Sains Malaysia Emotional Quotient Inventory among medical students in Malaysia. *SAGE Open*, April-June, 1-9. doi:10.1177/2158244016650240
18. Nur-Farliza, S., **Arifin, W. N.**, Yusoff, M. S. B., Yaacob, N. A., & Naing, N. N. (2016). A confirmatory factor analysis of USM Personality Inventory (USMaP-i) among medical degree program applicants in Universiti Sains Malaysia. *Education in Medicine Journal*, 8(1), 55–65.
19. Yusoff, M. S. B. & **Arifin, W. N.** (2015). Educational environment and psychological distress of medical students: The role of a deep learning approach. *Journal of Taibah University Medical Sciences*, 10(4), 411-418. <http://dx.doi.org/10.1016/j.jtumed.2015.08.005>
20. **Arifin, W. N.** (2015). The graphical assessment of multivariate normality using SPSS. *Education in Medicine Journal*, 7(2), e71-e75.
21. **Arifin, W. N.** (2014). Calculating standard deviation of difference for determination of sample size for planned paired t-test analysis. *Education in Medicine Journal*, 6(2), e62-e64.
22. Din, T. A. D. A. T., Shamsuddin, S. H., Idris, F. M., **Mansor, W. N. A. W.**, Jalal, M. I. A., & Jaafar, H. (2014). Rapamycin and PF4 induce apoptosis by upregulating Bax and down-regulating Survivin in MNU-induced breast cancer. *Asian Pacific Journal of Cancer Prevention*, 15(9), 3939-3944.
23. Hadie, S. N. H., Hassan, A., Ismail, Z. I. M., Asari, M. A., Khan, A. A., Kasim, F., Yusof, N. A. M., Manan, H. A., Muda, T. F. M. T., **Arifin, W. N.** & Yusoff, M. S. B. (2014). Developing constructs of anatomy education environment measurement: A Delphi study. *Procedia-Social and Behavioral Sciences*, 116, 4219-4223.
24. **Arifin, W. N.** (2013). Introduction to sample size calculation. *Education in Medicine Journal*, 5(2), e89-e96.
25. Bay, R., Ismail, S. B., Zahiruddin, W. M. & **Arifin, W. N.** (2013). Effect of combined psycho-physiological stretching and breathing therapy on sexual satisfaction. *BMC Urology*, 13(16).
26. Hadie, S. N. H., Hassan, A., Ismail, Z. I. M., Asari, M. A., Khan, A. A., Kasim, F., Yusof, N. A. M., Manan, H. A., Muda, T. F. M. T., **Arifin, W. N.** & Yusoff, M. S. B. (2013). 1. The need to have a valid and reliable tool to measure the Anatomy Education Environment. *Education in Medicine Journal*, 5(3), e81-e85.
27. Abd Aziz, A., **Arifin, W. N.**, Isa, S. N. I., Bachok, N. a., Abdullah, S. & Naing, N. N. (2013). Structural Equation Modeling (SEM) workshop for lecturers and postgraduate students. *Education in Medicine Journal*, 5(3), e112.
28. Yusoff, M. S. B., Jaa'far, R., Arzuman, H., **Arifin, W. N.**, & Mat Pa, M. N. (2013). Perceptions of medical students regarding educational climate at different phases of medical training in a Malaysian medical school. *Education in Medicine Journal*, 5(3), e30-e41.

29. **Arifin, W. N.**, Yusoff, M. S. B. & Naing, N. N. (2012). Confirmatory factor analysis (CFA) of USM Emotional Quotient Inventory (USMEQ-i) among medical program applicants in Universiti Sains Malaysia (USM). *Education in Medicine Journal*, 4(2), e26-e44.
30. **Arifin, W. N.** (2012). Random sampling and allocation using SPSS. *Education in Medicine Journal*, 4(1), e129-e143.
31. **Arifin, W. N.**, Nadiah, W. A. , Irfan, M., Wee, C. X., Draman, N. & Naing, N. N. (2011). Intraclass correlation in practice: Assessment of reliability of manual blood pressure measurement among assessors in a clinical trial. *Education in Medicine Journal*, 3(2), e44-e52.
32. **Arifin, W. N.** (2011). Creating artificial data for teaching of statistics. *Education in Medicine Journal*, 3(1), e69-e77.

8.2 Conference Proceedings

1. **Arifin, W. N.**, Zubair, I. U., Ibrahim, M. I., Shafei, M. N. (2017). Validity of BACKS Tool in assessing low back pain among nurses in Malaysian public hospital: A confirmatory factor analysis. In SciencePark Research, Organization & Counseling (Ed.), *New Trends and Issues Proceedings on Humanities and Social Sciences*, 4(1), 226-231. Available from <http://www.prosoc.eu>
2. **Arifin, W. N.**, Yusoff, M. S. B., Aziz, A. A., Din, H. M., & Abdullah, S. (2015). Development of a new inventory of attitude towards statistics among postgraduate students. In The International Academic Forum (Ed.), *The Asian Conference on Education 2014: Official Conference Proceedings* (pp. 577-584). Aichi, Japan: The International Academic Forum (IAFOR).
3. Baharuddin, I. H., **Arifin, W. N.**, Rahman, N. A., & Kueh, Y. C. (2015). A exploratory factor analysis of the Malay translated version of the Index of Dental Anxiety and Fear questionnaire (IDAF-4C+) anxiety and fear module among secondary school children in Negeri Sembilan. In WorldConferences.net (Ed.), *E-Proceeding of the International Conference on Social Science Research, ICSSR 2015* (pp. 351-358). <http://WorldConferences.net>
4. Lim, B. C., Kueh, Y. C., **Arifin, W. N.**, & Ng, K. H. (2015). A confirmatory factor analysis of the health beliefs related to cardiovascular disease scale among Malaysian undergraduate university students. In WorldConferences.net (Ed.), *E-Proceeding of the International Conference on Social Science Research, ICSSR 2015* (pp. 330-339). Selangor, Malaysia: <http://WorldConferences.net>

8.3 Conference Abstracts and Presentations

1. Ting, W. S., Saddki, N., Arifin, W. N., Mohamad, N., Roslan, N. S. (2017, August). Cross-Cultural Translation and Adaptation of Patient Education Materials Assessment Tool into Bahasa Malaysia. Presented at 21st National Public Health Colloquium (August 23-24), Hotel Bangi-Putrajaya, Selangor, Malaysia.
2. Hassim, S. R., **Arifin, W. N.**, Cheng, Y. C., & Yaacob, N. A. (2017, May). Confirmatory Factor Analysis of Malay Version of Smartphone Addiction Scale (SAS-M) among Medical Students at Universiti Sains Malaysia (USM), Kelantan. Poster presented at Health Symposium 2017 (HSS 2017) (May 25), Kelantan, Malaysia
3. **Arifin, W. N.**, Zubair, I. U., Ibrahim, M. I., Shafei, M. N. (2017, February). Validity of BACKS Tool in assessing low back pain among nurses in Malaysian public hospital: A confirmatory factor analysis. Presented at 9th World Conference on Educational Sciences (February 1-4), Hotel Aston la Scala Convention Center, Nice, France.
4. **Arifin, W. N.**, Jalil, R. A., Ibrahim, M. I., Ismail, T. A. T., Mohamed, W. M. I. W., Ishak, W. R. W., . . . , Muda, W. A. M. W (2016, November). Challenges in Analysis of the Workplace Intervention to Combat Obesity: My Body is Fit and Fabulous at Work (MyBFF@Work) Experience. Presented at 7th International Symposium on Wellness, Healthy Lifestyle and Nutrition (November 3-4), Amarta Ballroom Melia Purosani Hotel, Yogyakarta, Indonesia.

5. Fitriah, N., **Arifin, W. N.**, Yusoff, N., Kueh, Y. C. (2016, May). Confirmatory Factor Analysis of the Malay version of Five-Factor Nonverbal Personality Questionnaire. Poster presented at International Scientific Conference (iNASCON) 2016 (May 16-17), Hotel Perdana, Kota Bharu, Kelantan, Malaysia.
6. **Arifin, W. N.**, Din, H. M., Yusoff, M. S. B., Aziz, A. A. & Abdullah, S. (2015, December). Construct validity of Universiti Sains Malaysia Attitude towards Statistics (USM-AS) among postgraduate students. Presented at 4th USM-PSU-NSTRU-MU International Conference on Arts and Sciences (December 14-15), University Conference Hall, Universiti Sains Malaysia, Penang, Malaysia.
7. Zahidi, Z. M. Razak, A. A., Othman, A., Jaapar, S. Z. S., Kadir, A., Saaban, J., . . ., **Arifin, W. N.**, Ismail, H. C. (2015, December). Validation of the Malay version of Emotion Thermometer among adult victims involved in flood disaster in Kelantan. Presented at The 2nd International Social Work Conference 2015: Celebrating Diversity in One World (Dec 2-3), Evergreen Laurel Hotel, Penang, Malaysia.
8. Halim, A. S. A., Razak, A. A., Othman, A., Jaapar, S. Z. S., Kadir, A., Saaban, J., . . ., **Arifin, W. N.**, Ismail, H. C. (2015, December). Validation of the Malay version of Impact of Event Scale-Revised (IES-R) among victims involved in flood disaster in Kelantan. Presented at The 2nd International Social Work Conference 2015: Celebrating Diversity in One World (Dec 2-3), Evergreen Laurel Hotel, Penang, Malaysia.
9. Ismail, H. C., Razak, A. A., Othman, A., Jaapar, S. Z. S., Kadir, A., Saaban, J., . . ., **Mansor, W. N. A. W.** (2015, December). Factors associated with the psychological distress in adults affected by the 2014 flood disaster in Kuala Krai, Kelantan. The 2nd International Social Work Conference 2015: Celebrating Diversity in One World (Dec 2-3), Evergreen laurel Hotel, Penang, Malaysia.
10. **Arifin, W. N.**, Mohamed, Z., Hasan, H., Hamid, N. A. A., Sukeri, S., Yeh, L. Y., . . ., Mohammad, W. M. Z. W. (2015, November). Validation of knowledge, attitude and practice towards flood related infectious diseases preparedness in Kelantan. 6th International Symposium on Wellness, Healthy Lifestyle & Nutrition 2015 (Nov 25-27), School of Health Sciences, Universiti Sains Malaysia, Malaysia.
11. Hamid, N. A. A., Sukeri, S., Hashim, A. M., Hasan, H., Yeh, L. Y., Draman, N., . . ., **Arifin, W. N.**, . . ., Mohammad, W. M. Z. W. (2015, November). Floods and infectious disease risk: Preparedness and desperation. 6th International Symposium on Wellness, Healthy Lifestyle & Nutrition 2015 (Nov 25-27), School of Health Sciences, Universiti Sains Malaysia, Malaysia.
12. Ismail, M. I., Rohana, J., Mohamed, H. J. J., Hamid, N. F. A., Mohd, N. H., Ishak, W. R. W., . . ., **Arifin, W. N.**, . . ., Mohammad, W. M. Z. W. (2015, November). Assessing quality of life of obese working adults using OWL-QOL questionnaire and its associated factors in Kota Bharu, Kelantan. 6th International Symposium on Wellness, Healthy Lifestyle & Nutrition 2015 (Nov 25-27), School of Health Sciences, Universiti Sains Malaysia, Malaysia.
13. Mohd, N. H., Ishak, W. R. W., Mohamed, H. J. J., Hamid, N. F. A., Nik, W. S. W., Ismail, A. A. A., . . ., **Arifin, W. N.**, . . ., Mohammad, W. M. Z. W. (2015, September). Musculoskeletal pain and associative factors among government employees in Kota Bharu, Kelantan. 20th National Conference on Medical and Health Sciences (Sept 12-14), Health Campus, Universiti Sains Malaysia, Malaysia.
14. Ibrahim, M. I., Jalil, R., Mohamed, H. J. J., Hamid, N. F. A., Mohd, N. H., Ishak, W. R. W., . . ., **Arifin, W. N.**, . . ., Mohammad, W. M. Z. W. (2015, September). Quality of life of obese adult and its associated factors using OWL-QoL. 20th National Conference on Medical and Health Sciences (Sept 12-14), Health Campus, Universiti Sains Malaysia, Malaysia.
15. Baharuddin, I. H., **Arifin, W. N.**, Rahman, N. A., Kueh, Y. C. (2015, June). A exploratory factor analysis of the Malay translated version of the Index of Dental Anxiety and Fear questionnaire (IDAF-4C+) anxiety and fear module among secondary school children in Negeri Sembilan. 3rd International Conference of Social Science Research (June 8-9), Melia Hotel, Kuala Lumpur, Malaysia.

16. Lim, B. C., Kueh, Y. C., **Arifin, W. N.** & Ng, K. H. (2015, June). A confirmatory factor analysis of the health beliefs related to cardiovascular disease scale among Malaysian undergraduate university students. 3rd International Conference of Social Science Research (June 8-9), Melia Hotel, Kuala Lumpur, Malaysia.
17. Noor Farahi, K. , Rohana, A. J., Tengku Alina, T. I., Soo, K. L., **Wan Nor Arifin, W. M.**, & Noor Aman, A. H. (2015, June). Development and validation of pregnancy physical activity likelihood assessment based on health belief model among pregnant women in Kuala Terengganu, Terengganu. Poster presented at 30th Annual Scientific Conference 2015 (June 2-3), Renaissance Hotel, Kuala Lumpur, Malaysia.
18. Ramlay, M. Z., Oo, M. M. T., Saddki, N., **Arifin, W. N.** (2014, November). Validation of oral health literacy instrument for Malaysian adult. Poster presented at National Oral Health Research Conference 2014 (November 10-12), Swiss garden Hotel & Residences, Kuala Lumpur, Malaysia.
19. **Arifin, W. N.**, Yusoff, M. S. B., Aziz, A. A., Din, H. M. & Abdullah, S. (2014, October). Development of a New Inventory of Attitude towards Statistics among Postgraduate Students. Presented at 6th Asian Conference on Education (October 29-November 2), Osaka International Convention Center and Rihga Royal Hotel, Osaka, Japan.
20. Ramlay, M. Z., Oo, M. M. T., Saddki, N., **Arifin, W. N.** (2014, September). Validation of Malaysia version of Oral Health Literacy Instrument (OHLLI-M). Presented at 19th National Conference on Medical and Health Sciences (September 7-8), School of Dental Sciences, Health Campus, Universiti Sains Malaysia, Kelantan, Malaysia.
21. Din, H. M., **Arifin, W. N.**, Abdullah, S., Yusoff, M. S. B., Aziz, A. A. (2014, June). Exploratory factor analysis (EFA) of a new inventory of USM attitude towards biostatistics (USM-AB) among postgraduate students in Health Campus, Universiti Sains Malaysia (USM). Poster presented at Health and Life Sciences Postgraduate Conference 2014 (June 10-11), Renaissance Hotel, Kota Bharu, Kelantan, Malaysia.
22. Naing, N. N., Ibrahim, N. A., Ismail, Z., Abdullah, S., **Arifin, W. N.**, Jalal, T. M. T., Nadiah, W. A., Hanapi, N. S. M. (2014, March). Poster presented at The associated factors of mortality among pulmonary TB patients. Poster presented at National TB & Lung Diseases Conference (March 28-30), SUNWAY Putra Hotel, Kuala Lumpur, Malaysia.
23. **Arifin, W. N.** & Yusoff, M. S. B. (2013, May). Comparison of domains and items of confirmatory factor analysis (CFA) validated versions of USM Emotional Quotient Inventory (USMEQ-i) for medical program applicants and medical students in Universiti Sains Malaysia (USM). Poster presented at International Conference on Medical & Health Sciences (ICHMS) 2013 (May 22-24), Renaissance Hotel, Kota Bharu, Kelantan, Malaysia.
24. Hadie, S. N. H., Hassan, A., Ismail, Z. I. M., Asari, M. A., Khan, A. A., Kasim, F., Yusof, N. A. M., Sulong, H. A. M., Muda, T. F. M. T., **Arifin, W. N.** & Yusoff, M. S. B. (2013, February). Developing constructs of anatomy education environment measurement: A Delphi technique. Presented at 5th World Conference On Educational Sciences (February 6-8), Faculty of Economics, Sapienza University, Rome, Italy.
25. **Arifin, W. N.**, Yusoff, M. S. B. & Naing, N. N. (2012, May). Confirmatory factor analysis (CFA) of USM Emotional Quotient Inventory (USMEQ-i) among medical program applicants in Universiti Sains Malaysia (USM). Poster presented at 17th National Conference on Medical and Health Sciences (May 27-28), Health Campus, Universiti Sains Malaysia, Kelantan, Malaysia. [Poster presenter]
26. **Arifin, W. N.**, Nadiah, W. A., Irfan, M., Draman, N. & Naing, N. N. (2010, December). Assessment of reliability of blood pressure measurements among assessors in a clinical trial. Presented at 62nd Annual Conference of the Cardiological Society of India (December 2-5), Milan Mela Complex, Kolkata, India.
27. Wee, C. X., **Arifin, W. N.**, Draman, N., Nadiah, W. A., Hui, C. H. & Naing, N. N. (2010, October). A randomized controlled trial on reduction of blood pressure among hypertensive patients using "One Minute Qigong Exercise". Poster presented at 7th World Stroke Congress (October 13-16), COEX Center, Seoul, Korea.

9 Academic recognition

9.1 Awards

9.2 Recognition

10 Editorial Consultation

10.1 Editorial Board

2016-present The Malaysian Journal of Medical Sciences (Statistical Editor)

2016-present Education in Medicine Journal (Deputy Editor)

2016-present Malaysian Journal of Emergency Medicine (Statistical Editor)

2013-2015 Education in Medicine Journal (Editorial Board Member)

10.2 Grant Reviews

2015-present Member, Research Committee, School of Medical Science, Universiti Sains Malaysia

10.3 Ad Hoc Manuscript Reviews

- The Malaysian Journal of Medical Sciences
- Education in Medicine Journal
- PlosONE
- Heart Asia
- Sultan Qaboos University Medical Journal
- PeerJ

11 Research Consultation

1. Validation of Malay Version of ASSIST 3.1, Ministry of Health of Malaysia. 21/8/2011-present.

12 Teaching Activities

12.1 Postgraduate Courses

MSc (Medical Statistics)

1. Basic Statistics (GBT 501)
 - Probability Theory
 - Normal, Binomial and Poisson Distributions
 - Sampling distributions
 - Estimation
 - Hypothesis Testing
 - Simple Logistic Regression
2. Intermediate Statistics (GBT 502)
 - Multiple Logistic Regression

- Exploratory Factor Analysis
 - Confirmatory Factor Analysis
 - Reliability Analysis
3. Principles of Epidemiology (GBT 503)
 - Standardization of Rates
 - Sampling Techniques
 4. Critical Appraisal (GBT 504)
 - Appraising Validation Studies
 5. Clinical Epidemiology (GBT 505)
 - Clinical Agreement
 6. Research Methodology (GBT 506)
 - Questionnaire Design
 - Validity and Reliability in Measurement Tools
 7. Advanced Statistics (GBT 507)
 - Poisson Regression
 - Log-linear Regression
 - Repeated Categorical Data Analysis

Doctor of Public Health (DrPH)

1. Advanced Numerical Data Analysis (GET 507)
 - Multivariate analysis - Exploratory factor analysis
 - Multivariate analysis - Structural equation modeling
2. Advanced Categorical Data Analysis (GET 508)
 - Poisson regression
3. Clinical Epidemiology (GET 509)
 - Clinical agreement

Msc (Sports Science)

1. Scientific Evaluation (GSA 503) [until 2015]
 - Hypothesis testing
 - Estimation

Integrated Neuroscience Program (INP)

1. Basic and Applied Statistics (GIN 610)
 - Getting Started with SPSS
 - Hypothesis testing and Confidence Interval

12.2 Postgraduate supervisions

Completed

1. Dr. Azirawati Ismail, The Effectiveness of Intravenous Parecoxib Sodium as an Analgesic Alternative to Morphine in Suspected Acute Renal Colic in Emergency Department of Hospital Universiti Sains Malaysia. MMed (Emergency Medicine), Universiti Sains Malaysia (2016-2017) [co-supervisor]
2. Dr. Tan Sin Yew, Work Engagement and Factors Associated with Teacher's Psychosocial Aspect at Work in Primary Schools of Kota Bharu, Kelantan, DrPH, Universiti Sains Malaysia (2015-2017) [co-supervisor]
3. Dr. Am Basheer Alias, 8 years retrospective cohort study on short term outcome of sutureless thyroidectomy in HRPZ II. MMed (Surgery), Universiti Sains Malaysia (2015-2017) [co-supervisor]
4. Ong Suan Mei, Socio-demographic, clinical and epidemiological factors of TB-HIV coinfection in northern Malaysia: Standardization and Log-linear analyses on morbidity rates. PhD (Biostatistics), Universiti Sains Malaysia (2014-2017) [co-supervisor]
5. Aizuddin Hidrus, Structural Equation Modelling on Sport Courage, Mental Toughness, Coping Skills, and Performance Outcome on Martial Arts Athletes in Malaysia. MSc (Medical Statistics), Universiti Sains Malaysia (2016-present) [co-supervisor]
6. Roslinda Isa, Knowledge of primary school teachers regarding asthma and its management among school children. MSc (Nursing), Universiti Sains Malaysia (2013-2017) [co-supervisor]
7. Dr. Shahinaz Tasneem Mustaffa Kamal, Assessment of validity and reliability of Malay version of Asthma Control Test. MMed (Paediatrics), Universiti Sains Malaysia (2012-2017) [co-supervisor]
8. Nurul Fitriah Ab Rashid, Validation of Malay version of Five-Factor Nonverbal Personality Questionnaire (FF-NPQ) among medical students in Malaysia. MSc (Medical Statistics), Universiti Sains Malaysia (2016) [supervisor]
9. Atamamen Temitope Folasade, Validation of Recovery-stress Questionnaire among undergraduate students in Health Campus, Universiti Sains Malaysia. MSc (Medical Statistics), Universiti Sains Malaysia (2016) [co-supervisor]
10. Dr. Safiya Amaran, The importance of public health ethics in restrictive measure to control hand, foot and mouth disease in Kota Bharu, Kelantan. DrPH (Epidemiology), Universiti Sains Malaysia (2015) [co-supervisor]
11. Izyan Hazwani Baharuddin, Validity and reliability of Malay translated version of the Index of Dental Anxiety and Fear scale (IDAF-4C+) among secondary school children in Negeri Sembilan. MSc (Medical Statistics), Universiti Sains Malaysia (2015) [supervisor]
12. Nurhazwani Hamid, Validity and reliability of a Malay-version Breastfeeding Questionnaire (TPB-MBQ) among male staffs in Health Campus, Universiti Sains Malaysia (USM). MSc (Medical Statistics), Universiti Sains Malaysia (2015) [supervisor]
13. Lim Bee Chiu, Modelling of knowledge, health beliefs and health promoting behaviours related to cardiovascular disease among Malaysian university students. MSc (Medical Statistics), Universiti Sains Malaysia (2015) [co-supervisor]
14. Dr. Muhammad Zulkefli Ramlay, Cross cultural adaptation and validation of Oral Health Literacy Instrument (OHLI) for use in Malaysia. DrDPH, Universiti Sains Malaysia (2015) [co-supervisor]
15. Dr. Tengku Zaharah Tengku Bahanuddin, Knowledge of occupational safety and health among medical officers in Kelantan health clinics. MPH (2015) [co-supervisor]

16. Hazwan Mat Din, Validation of a new inventory of attitude towards application of biostatistics among postgraduate students in Health Campus, Universiti Sains Malaysia (USM). MSc (Medical Statistics), Universiti Sains Malaysia (2014) [co-supervisor]
17. Dr. Omar Kwang Kugan, Self-reported knowledge, attitude and practice of corporate culture among clinical staffs of Hospital Raja Perempuan Zainab II, Kota Bharu. MPH, Universiti Sains Malaysia (2014) [co-supervisor]
18. Siti Nur Farliza Zaharudin, Confirmatory factor analysis of USM Personality Inventory (USMAP-i) among medical degree program applicants in Universiti Sains Malaysia (USM). MSc (Medical Statistics), Universiti Sains Malaysia (2013) [co-supervisor]

Current

1. Fairul Ezwan Fahrurazi, Socio-Demographic, Clinical and Treatment Related Factors Of Multidrug-Resistant Tuberculosis In Malaysia: Log-Linear Analysis On Count Data. MSc (Medical Statistics), Universiti Sains Malaysia (2017-present) [supervisor]
2. Liu Kien Ting, Structural Relationship Between Transtheoretical Model Of Behaviour Changes, Motives And Amount Of Physical Activity Among Undergraduate Students In Health Campus, Universiti Sains Malaysia (USM) Analysis. MSc (Medical Statistics), Universiti Sains Malaysia (2017-present) [co-supervisor]
3. Dr. Najihah Mahfuzah Zakaria, Development of a new questionnaire to assess childcare providers' knowledge, attitude and practice on infant and young child feeding and their associated factors in Kota Bharu, Kelantan. DrPH, Universiti Sains Malaysia (2016-present) [co-supervisor]
4. Dr. Wong Siong Ting, Cross-Cultural Adaptation and Validation of the Malaysian version Patient Education Materials Assessment Tool, PEMAT(M). DrDPH, Universiti Sains Malaysia (2016-present) [co-supervisor]
5. Dr. Nurul Fateha Abd Rahman, Development And Psychometric Evaluation Of Triage Questionnaire. MMed (Emergency Medicine), Universiti Sains Malaysia (2016-present) [co-supervisor]
6. Siti Rubiahtul Hassim, Confirmatory Factor Analysis Of Malay Version Of Smartphones Addiction Scale (SAS) And Malay Internet Addiction Test (IAT) Among Medical Students At Hospital Universiti Sains Malaysia. MSc (Medical Statistics), Universiti Sains Malaysia (2016-present) [supervisor]
7. Dr. Mohd Najib Abdul Ghani, Validation of Flood DMQ-BM, MMed (Emergency Medicine), Universiti Sains Malaysia (2015-present) [co-supervisor]

12.3 Undergraduate Courses

Doctor of Medicine (MD)

1. Basic Epidemiology, Reseach Methodology and Basic Biostatistics
 - Inferential Statistics
 - Sample Size Determination
 - Sampling Methods

12.4 Undergraduate Supervisions

Completed

1. Fatin Nabila Muhammad, Modelling of dengue hemorrhagic fever using bootstrapped logistic regression model. BSc (Computational Mathematics), Universiti Malaysia Terengganu (2015) [co-supervisor]

Current

1. -

Industrial training

1. Mohamad Faiz Zil Ikram Mahmud, Intraclass correlation coefficients for determination of test-retest reliability. Industrial training for BSc (Mathematics), Universiti Putra Malaysia (2015) [field supervisor].
2. Nur Syuhaidah Talib, Attitudes and practices towards road traffic regulations among residents of Kubang Kerian. Industrial Training, Universiti Kebangsaan Malaysia (2014) [field supervisor]
3. Norsyazwana Zulkifli, Attitudes and practices towards road traffic regulations among residents of Kubang Kerian. Industrial Training, Universiti Kebangsaan Malaysia (2014) [field supervisor]
4. Nor Izati Dzulkifli, Attitudes and practices towards road traffic regulations among residents of Kubang Kerian. Industrial Training, Universiti Kebangsaan Malaysia (2014) [field supervisor]
5. Nur Hafifah Nadirah Jafri, Knowledge, attitudes and practices towards road traffic regulations among USM Health Campus staffs and residents of Kubang Kerian. Industrial Training, Universiti Kebangsaan Malaysia (2014) [field supervisor]
6. Mohammad Shafiq Mohammad Raduan, Knowledge, attitudes and practices towards road traffic regulations among USM Health Campus staffs and residents of Kubang Kerian. Industrial Training, Universiti Malaysia Terengganu (2014) [field supervisor]
7. Amiratul Liyana Mohamad Hanapi, Knowledge, attitudes and practices towards road traffic regulations among USM Health Campus staffs and residents of Kubang Kerian. Industrial Training, International Islamic University Malaysia (2014) [field supervisor]
8. Roziah Mamat@Sulaiman, The associated factors of dengue hemorrhagic fever (DHF) in Hospital Universiti Sains Malaysia (HUSM), Kubang Kerian. Industrial Training, Universiti Teknologi MARA (2014) [field supervisor]
9. Nor Syahida Ahamad Saferi, A study on associated factors of mental retardation among nine years old children in Kota Bharu and Gua Musang, Kelantan. Industrial Training, Universiti Teknologi Malaysia (2013) [field supervisor]
10. Mohd Junaidi Zakaria, Factors affecting medical students' attitude toward educational environment. Universiti Teknologi MARA (2013) [field supervisor]
11. Siti Sarah Abdullah, The Perception on Statistical Method among Undergraduate Medical, Dental and Health Sciences Students in Universiti Sains Malaysia. Industrial Training, Universiti Teknologi MARA (2012) [field supervisor]
12. Nur Syafika Muhamad Sukari, The Perception on Statistical Method among Undergraduate Medical, Dental and Health Sciences Students in Universiti Sains Malaysia. Industrial Training, Universiti Teknologi MARA (2012) [field supervisor]
13. Nor Muslima Md Yusoff, The Perception on Statistical Method among Undergraduate Medical, Dental and Health Sciences Students in Universiti Sains Malaysia. Industrial Training, Universiti Teknologi MARA (2012) [field supervisor]
14. Norhashimah Mohd Nasir, The Perception on Statistical Method among Undergraduate Medical, Dental and Health Sciences Students in Universiti Sains Malaysia. Industrial Training, Universiti Teknologi MARA (2012) [field supervisor]
15. Mohd Hafiz Mohd Alham, The Perception on Statistical Method among Undergraduate Medical, Dental and Health Sciences Students in Universiti Sains Malaysia. Industrial Training, Universiti Teknologi MARA (2012) [field supervisor]

12.5 Workshops

1. Speaker, 4th Questionnaire Validation Workshop, March 28-29 2016.
2. Speaker, Intensive Course on Intermediate Statistics, Scientific Writing, and Producing Quality Thesis and Critical Appraisal (IPS), December 6-10 2015.
3. Speaker, Workshop on the Application of Intermediate Statistical Methods in Medical & health Sciences Research using SPSS, November 16-18 2015.
4. Speaker, Statistics Made Easy, September 14 2015.
5. Speaker, Intensive Course on Basic Statistics And Research Methodology (IPS), July 26-30 2015.
6. Speaker, Statistics in Research, March 25 2015.
7. Speaker, iPad for Teaching and Learning, September 21 2014.
8. Speaker, 3rd Questionnaire Validation Workshop, August 27-28 2014.
9. Speaker, iPad for Teaching and Learning, April 13 2014.
10. Speaker, iPad for Teaching and Learning, February 23 2014.
11. Speaker, 2nd Questionnaire Validation Workshop, October 8-9 2014.
12. Speaker, 1st Questionnaire Validation Workshop, August 20-21 2013.