

CURRICULUM VITAE

PERSONAL DETAILS	
NAME	: DR. NUR LIYANA BINTI ZAINAL BAHIRIN
DATE OF BIRTH	: 04 JANUARY 1986
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ADDRESS	: 556, JALAN KENANGA 5, TAMAN BUKIT CHEDANG, 70300 SEREMBAN, NEGERI SEMBILAN
DESIGNATION	: PHARMACIST
ACADEMIC QUALIFICATION	
2009- BACHELOR OF PHARMACY (HONS) UNIVERSITI KEBANGSAAN MALAYSIA	
2011- GOOD CLINICAL PRACTICE (GCP) CERTIFICATE	
2018- DOCTOR OF PHILOSOPHY (PhD) (PHARMACOEPIDEMIOLOGY) –SPECIALISATION IN HEALTH POLICY, PLANNING AND FINANCING, UNIVERSITI TEKNOLOGI MARA	
WORKING EXPERIENCE	
2009 – CURRENT: PHARMACY DEPARTMENT, HOSPITAL TUANKU JA'AFAR SEREMBAN	
2011- CURRENT : PRECEPTOR FOR INTERNATIONAL MEDICAL UNIVERSITY (IMU), MALAYSIA	
PRECEPTOR FOR UNIVERSITI TEKNOLOGI MARA (UITM), MALAYSIA	
PRECEPTOR FOR MSU UNIVERSITY, MALAYSIA	
PRECEPTOR FOR KPJ INTERNATIONAL COLLEGE UNIVERSITY, MALAYSIA	
PRECEPTOR FOR LINCOLN'S COLLEGE & MICOST COLLEGE MALAYSIA	
PRECEPTOR FOR PROVISIONAL REGISTERED PHARMACIST (PRP) PHARMACY DEPARTMENT, HOSPITAL TUANKU JA'AFAR	
2011- 2014	: RHEUMATOLOGY CLINICAL TRIAL TEAM MEMBERS - BIOLOGICS (ASIAN MULTICENTRE STUDY CENTRE) (PRINCIPAL PHARMACIST)
2011 – CURRENT: DIABETES MEDICATION THERAPEUTIC ADHERENCE PHARMACIST	
2010 – 2014	: MALAYSIA NATIONAL DRUG FORMULARY SECRETARY , MINISTRY OF HEALTH (CARDIOVASCULAR PHARMACOLOGY DRUGS)
2012-2014	: NEGERI SEMBILAN PHARMACEUTICAL SERVICES DIVISION RESEARCH & DEVELOPMENT COMMITTEE MEMBERS
2013-2014	: PANEL MEMBERS FOR NATIONAL RHEUMATOLOGY MEDICATION THERAPEUTIC ADHERENCE TASK FORCE (MINISTRY OF HEALTH)
2017	: LOGISTIC SECRETARIAT FOR 'KONVENSYEN INOVASI DAN INISIATIF KUALITI FARMASI 2017' PHARMACEUTICAL SERVICES PROGRAM, MINISTRY OF HEALTH

- 2017- CURRENT : RESEARCH AND DEVELOPMENT COMMITTEE FOR PHARMACY DEPARTMENT, HOSPITAL TUANKU JA'AFAR
- 2017- CURRENT : DRUG COMMITTEE MEETING (DCM) SECRETARIAT, HOSPITAL TUANKU JA'AFAR
- 2018- CURRENT : MEDICATION SAFETY COMMITTEE FOR HOSPITAL TUANKU JA'AFAR
- 2018 : PROTOCOL SECRETARIAT & OFFICIAL EMCEE FOR 10TH NATIONAL R&D CONFERENCE 2018, PHARMACEUTICAL SERVICES PROGRAM, MINISTRY OF HEALTH
- 2019 : PART TIME PHARMACIST FOR HOSPITAL TUANKU JA'AFAR CLINICAL RESEARCH CENTRE (CRC)
- 2019 : SECRETARY FOR MEDICINES QUOTATION EVALUATION TECHNICAL COMMITTEE (HOSPITAL TUANKU JA'AFAR)
- 2019 : NEGERI SEMBILAN PHARMACEUTICAL SERVICES PROGRAM RESEARCH & DEVELOPMENT COMMITTEE MEMBERS

TEACHING EXPERIENCE

1. SPEAKER FOR NEGERI SEMBILAN PHARMACY ASSISTANT RESEARCH METHODOLOGY WORKSHOP
2. SPEAKER FOR MIMS GATEWAY WORKSHOP FOR NEGERI SEMBILAN PHARMACIST
3. SPEAKER FOR MEDICATION ERROR REPORTING SYSTEM (MERS) ONLINE FOR PHARMACY DEPARTMENT OF HOSPITAL TUANKU JA'AFAR
4. SPEAKER FOR RESEARCH METHODOLOGY WORKSHOP FOR PHARMACY DEPARTMENT OF HOSPITAL TUANKU JA'AFAR
5. SPEAKER FOR DRUG INFORMATION SERVICE LECTURE AT UNIVERSITI TEKNOLOGI MARA (UITM).
6. SPEAKER FOR ADVERSE DRUG REACTION LECTURE FOR PHARMACY DEPARTMENT OF HOSPITAL TUANKU JA'AFAR
7. SPEAKER FOR INTRODUCTION OF PHARMACY SERVICES LECTURE TO NEGERI SEMBILAN PHARMACIST
8. SPEAKER FOR RESPIRATORY SYSTEM LECTURE AT UNIVERSITI TEKNOLOGI MARA (UITM), MALAYSIA.
9. SPEAKER FOR MANAGEMENT OF DRUG ALLERGY FOR HEALTHCARE TEAM (NEGERI SEMBILAN HEALTH STATE, MINISTRY OF HEALTH, MALAYSIA)
10. SPEAKER FOR SCIENTIFIC REPORT & MANUSCRIPT WRITING WORKSHOP AT BAHAGIAN PERKHIDMATAN FARMASI NEGERI MELAKA (2017).
11. SPEAKER FOR PHARMACY RESOURCES AND INFORMATION CENTRE LECTURE AT KPJ INTERNATIONAL COLLEGE UNIVERSITY, MALAYSIA (2017-CURRENT).
12. SPEAKER FOR RESEARCH WORKSHOP AT BAHAGIAN PERKHIDMATAN FARMASI SELANGOR (CAWANGAN PENGUATKUASA) (2018).
13. SPEAKER FOR 'MEDICATION WITHOUT HARM' IN CONJUNCTION WITH MEDICATION SAFETY PROGRAM NEGERI SEMBILAN HEALTH DEPARTMENT STATE LEVEL (2018).
14. SPEAKER FOR EXCELLENCE STORE MANAGEMENT WORKSHOP AT BAHAGIAN PERKHIDMATAN FARMASI NEGERI SEMBILAN (2018).
15. TRAINER FOR ENHANCEMENT OF DRUG COMMITTEE MEETING & APPLICATION OF BUDGET IMPACT ANALYSIS AT BAHAGIAN PERKHIDMATAN FARMASI NEGERI SEMBILAN (2018).

ACHIEVEMENTS

- EXCELLENCE SERVICE AWARDS (*ANUGERAH PERKHIDMATAN CEMERLANG*) FOR MALAYSIA'S MINISTRY OF HEALTH 2013
- RUNNER-UP FOR NEGERI SEMBILAN RESEARCH CONFERENCE 2013
- PANEL MEMBERS FOR FORUM ENTITLED: PHARMACIST; NOT JUST ANOTHER HEALTHCARE PROFESSIONAL AT CYBERJAYA MEDICAL UNIVERSITY OF COLLEGE SCIENCES (CUCMS) MALAYSIA 2012
- VICE PRESIDENT FOR NEGERI SEMBILAN WORLD DIABETES DAY 2013
- (RUNNER-UP) NEGERI SEMBILAN PHARMACY R&D CONFERENCE 2014
- (RUNNER-UP) TOWARDS MEDICINES FIXED BUDGET: FACTORS AFFECTING (2016). 3MT COMPETITION UNIVERSITI TEKNOLOGI MARA
- (GOLD AWARD) PHARMACEUTICAL E-PROCUREMENT TOOL (PE-PT) (2016). INVENTION, INNOVATION & DESIGN EXPOSITION (IIDEX2016), UITM
- BESTARI RESEARCH GRANT OF RM 30,000 FROM UNIVERSITI TEKNOLOGI MARA (UiTM), MALAYSIA
- (FIRST PLACE) MEDICATION SAFETY INNOVATION COMPETITION, NEGERI SEMBILAN HEALTH STATE (JKNNS)

RESEARCH EXPERIENCE

- 2009: RESEARCH ENTITLED: MEDICATION COMPLIANCE ASSESSMENT TOWARDS PRESCRIBED MEDICATION
- 2010: RESEARCH ENTITLED: DIABETES PATIENTS ADHERENCE TO MEDICATION IN NEGERI SEMBILAN MAJOR HOSPITAL AND HEALTH CLINICS
- 2011: RESEARCH ENTITLED: DIABETES PATIENTS ASSESSMENT TOWARDS ADHERNCE AND CLINICAL IMPROVEMENTS IN MEDICAL WARDS
- 2012: RESEARCH ENTITLED: ADVERSE DRUG REACTION COST BURDEN IN MAJOR PUBLIC HOSPITAL
- 2012: RESEARCH ENTITLED: MEDICATION ADHERENCE REFILL RATE IN MAJOR PUBLIC HOSPITAL
- 2013: RESEARCH ENTITLED: ASSESSMENT OF PHARMACY DRUG INFORMATION SERVICE QUALITY
- 2013: COMMITTEE MEMBER OF STATE PHARMACY MULTI-CENTRE RESEARCH PROJECT
- 2013: QUALITY ASSURANCE (QA) PROJECT – MANAGEMENT OF DRUG WASTAGE IN PUBLIC HOSPITAL
- 2014: REPRESENTATIVE FOR MALAYSIA- QA PROJECT AT ASIAN HOSPITAL MANAGEMENT AWARDS, FILIPINA 2014
- 2014: RESEARCH ENTITLED: ASSESSMENT ON DRUG ALLERGY REPORTS, PRESENTED AT STATE LEVEL OF PHARMACY R&D CONFERENCE
- 2014: STATE REPRESENTATIVE TO NATIONAL PHARMACY RESEARCH & DEVELOPMENT CONFERENCE 2014 (TITLE: PREVALENCE OF DRUG ALLERGY IN NEGERI SEMBILAN MAJOR HOSPITAL,MALAYSIA)
- 2014: CONFERENCE PROCEEDINGS AND ORAL PRESENTER AT INTERNATIONAL MULTIDISCIPLINE CONFERENCE UNIVERSITY MUHAMMADIYYAH JAKARTA, INDONESIA
- 2015: ORAL PRESENTER & ABSTRACT SELECTED FOR INTERNATIONAL PUBLIC ORAL PRESENTER POLICY CONFERENCE 2015

MILAN, ITALY. 1ST - 4TH JULY 2015

- 2015: (POSTER PRESENTATION) A MANAGERIAL QUALITY STUDY TOWARDS EMPOWERING MALAYSIA PHARMACEUTICAL FISCAL SUSTAINABILITY INTERNATIONAL CONFERENCE ON THE PHARMACEUTICAL, NUTRACEUTICALS AND COSMETIC SCIENCES, MELAKA
- 2016: (POSTER PRESENTATION) AN OVERVIEW OF SPECIAL DRUGS APPLICATIONS IN PUBLIC HOSPITALS. NIH RESEARCH WEEK 2016 "TRANSFORMING HEALTH SYSTEMS THROUGH RESEARCH: TOWARDS SUSTAINABILITY" MINISTRY OF HEALTH MALAYSIA
- 2016: (POSTER PRESENTATION) PHARMACEUTICAL E-PROCUREMENT TOOL (PE-PT) - *INVENTION, INNOVATION & DESIGN EXPOSITION (IIDEX2016)*
- 2018: (POSTER PRESENTATION) THE PREVALENCE AND CLINICAL CHARACTERISTICS OF OPIOID INDUCED CONSTIPATION IN CHRONIC PAIN PATIENTS. NATIONAL CONFERENCE FOR CLINICAL RESEARCH: PATIENT CENTRED RESEARCH: DIGITAL HEALTH. HOTEL ISTANA KUALA LUMPUR
- 2018: (POSTER PRESENTATION) MEDICINES FUNDING ALLOCATION IN PUBLIC SECTOR HOSPITALS IN MALAYSIA. NATIONAL CONFERENCE FOR CLINICAL RESEARCH: PATIENT CENTRED RESEARCH: DIGITAL HEALTH. HOTEL ISTANA KUALA LUMPUR
- 2018: RESEARCH ENTITLED: DRUG UTILIZATION AND COST EVALUATION OF BIOLOGIC RESPONSE MODIFIERS IN TREATMENT OF RHEUMATOID ARTHRITIS AT HTJS
- 2018/2019: THE IMPACT OF EDUCATIONAL INTERVENTION ON HOSPITAL PHARMACIST'S KNOWLEDGE, ATTITUDE AND PRACTICE TOWARDS PHARMACOVIGILLANCE IN TERTIARY CARE HOSPITAL FACILITY (COLLABORATION WITH INTERNATIONAL MEDICAL UNIVERSITY (IMU))

LIST OF REVIEWERS EXPERIENCES

- TECHNICAL COMMITTEE (2016). INTERNATIONAL CONFERENCE ON PHARMACY AND PHARMACEUTICAL SCIENCE (ICPPS 2016).
- REVIEWERS COMMITTEE (2016). INTERNATIONAL ASSOCIATION OF CHEMICAL, BIOLOGICAL & MEDICAL SCIENCES RESEARCHERS.
- ABSTRACT REVIEWER (2018). 10TH NATIONAL R&D CONFERENCE 2018, PHARMACEUTICAL SERVICES PROGRAM, MINISTRY OF HEALTH
- PANEL AND WORKING TECHNICAL SECRETARIAT (2018). HEALTH POLICY, PHARMACOECONOMICS AND PHARMACOEPIDEMOLOGY WORKSHOP, MANAGEMENT AND SCIENCE UNIVERSITY (MSU).
- STAKEHOLDER CURRICULUM REVIEWER (2018). MASTER OF PHARMACY PRACTICE (MPP) PROGRAMME, INTERNATIONAL MEDICAL UNIVERSITY (IMU).
- RESEARCH PROTOCOL REVIEWER FOR NEGERI SEMBILAN CLINICAL RESEARCH CENTRE (2019-CURRENT)

LIST OF PUBLICATIONS

- PROTOCOL MEDICATION THERAPY ADHERENCE CLINIC: RHEUMATOLOGY 2013. WORKING COMMITTEE
- PHARMACEUTICAL COST-CONTAINMENT POLICIES AND SUSTAINABILITY: MALAYSIA PUBLIC HOSPITAL PERSPECTIVE. *CONFERENCE PROCEEDINGS: INTERNATIONAL MULTIDISCIPLINARY CONFERENCE, JAKARTA 2014*
- PHARMACEUTICAL FISCAL SUSTAINABILITY: REVIEW OF MALAYSIA'S ESSENTIAL LIST. *CONFERENCE PROCEEDINGS: 2ND INTERNATIONAL CONFERENCE ON PUBLIC POLICY, MILAN, ITALY 2015*
- COST-CONTAINMENT OF NON-FORMULARY MEDICINES ACCESSIBILITY: MALAYSIAN EXPERIENCE (2015). *JOURNAL OF PHARMACEUTICAL POLICY AND PRACTICE*
- ACTION TOWARDS COST-EFFECTIVE MEASURE IN IMPROVING MEDICINES WASTAGE (2015). *CONFERENCE PROCEEDINGS: 3RD INTERNATIONAL PPRI CONFERENCE 2015, VIENNA, AUSTRIA*
- A MANAGERIAL QUALITY STUDY TOWARDS EMPOWERING MALAYSIA PHARMACEUTICAL FISCAL SUSTAINABILITY (2015). *CONFERENCE PROCEEDINGS: THE 4TH INTERNATIONAL CONFERENCE ON THE PHARMACEUTICAL, NUTRACEUTICAL AND COSMETICS SCIENCES (IPNACS) 2015*
- A MANAGERIAL QUALITY STUDY TOWARDS EMPOWERING MALAYSIA PHARMACEUTICAL FISCAL SUSTAINABILITY (2015). *INTERNATIONAL JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES*
- EMPOWERING MALAYSIAN PUBLIC PHARMACEUTICAL FISCAL SUSTAINABILITY (2016). *ACADEMIC JOURNAL OF MANAGEMENT SCIENCE RESEARCH, VOL.1 NO.1, JANUARY 2016 (SCIENCESOLVE)*
- AN OVERVIEW OF SPECIAL DRUGS APPLICATIONS IN PUBLIC HOSPITALS (2016). *CONFERENCE PROCEEDING: NIH RESEARCH WEEK 2016 MALAYSIA MINISTRY OF HEALTH*
- PHARMACEUTICAL E-PROCUREMENT TOOL (PE-PT) (2016). *CONFERENCE PROCEEDINGS-INVENTION, INNOVATION & DESIGN EXPOSITION (IIDEX2016)*