



**USM** UNIVERSITI  
SAINS  
MALAYSIA

# STANDARDISATION OF HERBAL EXTRACTS

ZHARI ISMAIL PhD  
PUSAT PENGAJIAN SAINS FARMASI  
UNIVERSITI SAINS MALAYSIA

[www.usm.my](http://www.usm.my)

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# Introduction

- Label accuracy of herbal products
- Authenticity
- Quality
- Safety
- Efficacy issues
- Quality of life or wellness products

# What & why standardised

- Consistently consistent product
- Reproducibility
- Guaranteed potent/active
- Value added
- Prerequisite for preclinical & clinical studies

# How to standardise

- Chemically
- Biologically
- Physicochemical parameters
- Spectroscopically
- Chromatographically
- Metabolomics
- Chemometrics

# When, where and who

- From seeds to shelve
- GACP, GLP, GMP
- Trained technical personnel
- Registered professionals

# Issues & problems

- Standard materials
- Collection of reference standards
- Marker compounds
- Official methods
- Technical Monographs

# Conclusion

- Garbage in garbage out
- Must have rather than nice to have
- Transformation of products
- High value herbs
- Fulfilling global needs



# Terima kasih

