

UNIVERSITI TEKNOLOGI MARA(UiTM)

**ASSESSMENT ON PERMISSIBLE STATUS OF
ANTI-DIABETIC MEDICATION**

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ABSTRACT

Among the commonly used medication in the Malaysia and hospital setting is anti-diabetic medication. Unfortunately, there is no discovery or assessment yet on the anti-diabetic medication. Therefore, the objective of this study is to determine the status of anti-diabetic medication whether permissible, impermissible or mushbooh. Besides, is to determine the percentage of permissible, impermissible and mushbooh of anti-diabetic medication and to identify which compound contributed to permissible, impermissible and mushbooh. There are 111 anti-diabetic medication that have been investigated, from 111 anti-diabetic medication, only 0.9% been assessed as permissible, followed by 80.8% been assessed as mushbooh and 3.8% cannot be assessed due to incomplete information on the inactive ingredient provided by the pharmaceutical company in the drug leaflets. Majority of the anti-diabetic medication assessed as mushbooh due to most of the products derived from animals or plant. To sum up, all organization such as Ministry of Health, pharmaceutical manufacturers and health care professionals are advisable to cooperate to achieve an objective in using halal medication.

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CHAPTER ONE

INTRODUCTION

1.1 Background study

1.1.1 Permissible(halal), Impermissible(non-halal) and mushbooh(unsure) Concept

Permissible(halal) issues has been concerned to all Muslim when consumers realize the importance of permissible status in all aspects of life including medications (Aziz, Ibrahim, & Raof, 2014) . It is important for us to know whether the products produced comply with permissible criteria. The criteria including origin, nature and the processing method of the food product (Bonne & Verbeke, 2008). Permissible(halal) is a term opposite to impermissible(non-halal) and it means legal (Ceranić & Božinović, 2009). According to Shari'ah law, the product we consume must be pure, clean, hygiene and of quality and this term also known as '*Halalan toiyyibban*'. The concept of permissible is to confirm that the whole processes of a product preparation fall within the Shari'ah rites and the product must be 'toiyyib' means of good quality (Norazlina Abdul Aziz et al., 2014). While impermissible means prohibited or unlawful based on the Al-Quran and 'musbooh'(unsure) can refer to doubtful of the permissible status of a product.

1.1.2 Diabetes Mellitus

Diabetes in Malaysia is still a worrisome although Malaysia is moving towards *Wawasan 2020*. Statistic shows that Malaysian diabetes still rose drastically from 1.6 million to 2.6 million for 2011 and 2012 respectively (Saleh, Azahari, & Ismail, 2013). This shows that even though Malaysia is moving towards of becoming a developed