UNIVERSITI UTARA MALAYSIA
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PROJECT REPORT

IPTCOMKIT: COMMERCIALIZATION OF IHL RESEARCH TOOLKIT

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IPTCOMKIT:
COMMERCIALIZATION OF INSTITUTE OF HIGHER LEARNING RESEARCH TOOLKITS

A thesis submitted to Dean of Postgraduate Studies and Research Office in partial fulfillment of the requirement for the degree
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ABSTRAK

Walaupun banyak kajian dilakukan oleh penyelidik Institut Pengajian Tinggi (IPT) menerima banyak penghargaan dan anugerah di pertandingan tempatan ataupun antarabangsa, peratusan penyelidikan yang berjaya dikomersilkan masih rendah. Kekurangan maklumat tentang bagaimana untuk mengkomersilkan hasil dan produk kajian adalah salah satu faktor yang menyumbang kepada perkara ini (Richard & Thursby, 2001). Tujuan projek ini adalah untuk membina Alat Bantu Pengkomersilan IPT (IPTComKit), sebuah sistem alat bantu yang membekalkan maklumat untuk penyelidik IPT mengkomersilkan hasil kajian mereka. IPTComKit ini menyediakan panduan lengkap berasaskan model proses pengkomersilan yang diperkenalkan oleh Saville dan Norsaadah (2010a). IPTComKit dapat memberikan maklumat tentang langkah-langkah yang diperlukan untuk mengkormesilkan hasil kajian dengan lengkap.

ABSTRACT

Even though many of research made by Institute of Higher Learning (IHL) researchers have received many awards from local events or international events, the rate of the commercialized products by IHL researchers is still low. Lack of information on how to commercialize research product is one of the causes for this to happen (Richard & Thursby, 2001). The purpose of this project is to build the IPT Commercialization Toolkit (IPTComKit), a toolkit which to guide IHL researchers to commercialize their research findings or results. IPTComKit provides a complete guide to commercialize based on a commercialization process model introduced by Saville and Norsaadah (2010a). The IPTComKit can provide information for steps to commercialize, the purpose of the steps, tasks needed to be followed, provide templates, and the outcome of every step.

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LIST OF ABBREVIATIONS

7MP	7th Malaysia Plan
8MP	8th Malaysia Plan
9MP	9th Malaysia Plan
CRDF	Commercialization of Research and Development Fund
ICT	Information and Communication Technology
IHL	Institute of Higher Learning
IRPA	Research in Priority Areas
IP	Intellectual Property
IPT	Institut Pengajian Tinggi
MOHE	Ministry of Higher Education
MOSTI	Ministry of Science, Technology and Innovation
MTDC	Malaysian Technology Development Corporation
PSPTN	National Higher Education Strategic Plan
R&D	Research and Development
RU	Research University
TAF	Technology Acquisition Fund

CHAPTER ONE

INTRODUCTION

This chapter provides an overview of the study. It presents the background of the study, problem statement, research questions and research objectives. The significance of the study and the scope of the study are also presented at the end of the chapter.

1.1 Background

Malaysian Government has made substantial investments in research and development (R&D) activities in an effort to strengthen the capacity and capability of the nation. For example, in the 8th Malaysia Plan (8MP), RM100 million has been channelled through the Ministry of Higher Education (MOHE) Development Division and a total of RM79.12 million was paid to 17 public universities from 2001 to 2005. Meanwhile, in the 9th Malaysia Plan (9MP), the government has given priority to R&D based on market-oriented and to increase the rate of commercialization. Commercialization refers to the process by which the results of research are transformed into products that can be marketed and released commercially. A total of RM200 million has been allocated by MOHE and RM2.9 billion by the Ministry of Science, Technology and Innovation (MOSTI) in the 9th Malaysia Plan for the purpose

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