

PEJABAT TIMBALAN NAIB CANSOLOR (PENYELIDIKAN DAN INOVASI)
OFFICE OF THE DEPUTY VICE CHANCELLOR (RESEARCH AND INNOVATION)

Ruj. Kami: UPM.TNCPI.PSP.300-6/2/6

Tarikh: 9 Julai 2025

YBhg. Prof. Dr. Muhammad Rezal Kamel Ariffin
Jabatan Matematik dan Statistik,
Fakulti Sains, UPM

YBhg. Prof. Dr.,

**Salinan Dokumen Persetujuan Kerahsiaan bagi Rahsia Dagangan/*Know-how*
"Post-Quantum Key Encapsulation Mechanism for Preserving Confidentiality of
Digitally Transmitted Message and Method Thereof & P12025000744"**

Dengan segala hormatnya saya merujuk kepada perkara di atas.

2. Dimajukan dokumen persetujuan kerahsiaan bagi rahsia dagangan "Post-Quantum Key Encapsulation Mechanism for Preserving Confidentiality of Digitally Transmitted Message and Method Thereof & P12025000744" TS2025070901 untuk rekod YBhg. Prof. Dr.

3. Untuk sebarang pertanyaan, pihak YBhg. Prof. Dr boleh menghubungi pegawai kami di talian 03-9769 1243 (Pn Ashida).

Sekian, terima kasih.

"MALAYSIA MADANI"
"BERILMU BERBAKTI"

Saya yang menjalankan amanah,



PROF. MADYA TS. DR. SAIFUL HASLEY RAMLI
Timbalan Pengarah
Bahagian Promosi dan Pengurusan Harta Intelekt
Putra Science Park

s.k: Timbalan Dekan
Penyelidikan & Siswazah
Fakulti Sains, UPM

UNDERTAKING AS REGARD TO CONFIDENTIALITY AND SECRECY OF INFORMATION

I PROF. DR. MUHAMMAD REZAL KAMEL ARIFFIN, hereby undertake that I shall at all times adhere to and maintain the confidentiality and secrecy of the declared information for **POST-QUANTUM KEY ENCAPSULATION MECHANISM FOR PRESERVING CONFIDENTIALITY OF DIGITALLY TRANSMITTED MESSAGE AND METHOD THEREOF & P12025000744** extract and shall not disclose such information which I have the direct or indirect access of the Trade Secret/Know-how, except in meeting an obligation required under a signed agreement between UPM and the receiving party.

SIGNED BY,



Name: PROF. DR. MUHAMMAD REZAL KAMEL ARIFFIN

Address: UNIVERSITI PUTRA MALAYSIA

HP no.: 012-3766494

Date: 8 JUL 2025

WITNESSED BY,



Deputy Director
Putra Science Park

Name: **PROF. MADYA. TS. DR. SAIFUL HASLEY BIN RAMLI**
Bahagian Promosi dan Pengurusan Harta Intelek

Address: **Putra Science Park,**
Pejabat Timbalan Naib Canselor (Penyelidikan & Inovasi)

Date: **8/7/2025** Universiti Putra Malaysia

TRADE SECRET/KNOW-HOW DOCUMENT

This document is intended as a record and proof of existence of trade secret/know-how by UPM researchers. All details herein are kept as confidential and shall not be disclosed to person not listed in part C below except with permission in writing by all/surviving researchers or in pursuant to agreed contractual obligation between UPM and another party. All parts below must be duly completed.

Please also fill in the "UNDERTAKING AS REGARD TO CONFIDENTIALITY AND SECRECY OF INFORMATION"

A) In view of Trade Secret/Know How protection **POST-QUANTUM KEY ENCAPSULATION MECHANISM FOR PRESERVING CONFIDENTIALITY OF DIGITALLY TRANSMITTED MESSAGE AND METHOD THEREOF & P12025000744**

I solemnly declare the following information (Please state clearly the trade secret/know-how. For lengthy information, please provide as Attachment):

Please refer attachment (08072025 TSKN KAZ_KEM_1.0 P12025000744)

B) Type of trade secret/know-how (delete the unnecessary): formulae

C) List of person(s) who know / been disclosed with the trade secret/know-how ((Please use separate sheet if more than three (3) names. Please note that a trade secret will lose its protection if become public knowledge or a matter of common knowledge):

1. Name:.....
Address:
2. Name:.....
Address:
3. Name:
Address:

I solemnly and sincerely declare that the trade secret/know-how has not been disclosed to person(s) other than those listed above in any form.

SIGNED BY:



Name: PROF. DR. MUHAMMAD REZAL KAMEL ARIFFIN
Address: UNIVERSITI PUTRA MALAYSIA
Date: 8 JUL 2025

WITNESSED BY:



Deputy Director
Putra Science Park
Date: 8/7/2025