



**14 OCT 2019**  
**RAINBOW PARADISE BEACH RESORT, PENANG**



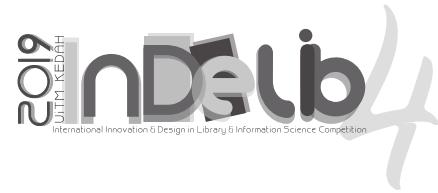
جامعة تكنولوجى مارا  
UNIVERSITI  
TEKNOLOGI  
MARA

Cawangan Kedah  
Kampus Sungai Petani

**ABSTRACT BOOK**



# HUMANIZING *InDeLib* in the 21st century



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Copy Editors : Assoc. Prof. Dr. Roziya Abu  
Siti Khairunnisa Sheikh Abdul Mutalib

Cover Design : Juaini Jamaludin

THE TRANSFORMATION OF HIGH SCHOOL BUKIT MERTAJAM RESOURCE CENTRE TO NATIONAL LAUREATE MUHAMMAD HAJI SALLEH RESOURCE CENTRE	47
"KESEF" MENEROKA ILMU	49
ADJUSTABLE BOOK END (ABE)	50
PERPUSTAKAAN PAK21 SK PENAGA DESTINASIKU	52
SIFu GEAR- ARSYIDNI	53
DECODED	55
WEBINDEX SCHOLARSHIP	56
SMid BOARD	57
I@M Pro4U	58
I@M Pro4u2	59
COBRATE	60
LIBGRAM ASSIST	61
STUDYTION	63
RASPBERRY Pi OPAC	64
ASD LIBRARY BACKPACK	65
NEVER LEFT BEHIND CHAIR 2.0	66
MyFREAD	68
TRANSLATOR PEN	69
E-TABOOK	71
i-CR (i-CLASS REPLACEMENT)	72
SPEAK UP SERIES: SARAWAK MALAY DIALECT FOR NON SARAWAKIAN	73

## Division: Design

Title	Page Number
NAP BOX	76
UCS APPLICATION IN SLIMS FOR MALAYSIAN SCHOOL LIBRARIES	77
UNIKIOSK	78
W.A.B.0 (2.0)	79
e-DAFTAR BUKU PEROLEHAN	80
QLIB (QUICK LIBRARY)	81
ERUDITE DESK	82
HAPS (Hand, Assisting, Provide, Services)	83

**DIVISION & CATEGORY:**  
**INNOVATION**

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## ADJUSTABLE BOOK END (ABE)

Mohd Hazare Zakaria\*

Sasmin Othman

Mohd Razif Moohd Noh

Mohd Fadzly Ryza Nordin

Muhammad Farizulazman Mohd Lutfi

*Perbadanan Perpustakaan Awam Kedah*

### **ABSTRACT:**

This Adjustable Book End (ABE) is categorized as a refinement innovation, which is an innovation idea inherent to the manual book organization system. With the ABE the work of book preparation will be systematic and organized. Implementing ABE can help the department adopt a more efficient adjustable bookcase tool for more efficient and orderly book preparation. As such, books on the shelves will look neat at all times without the supervision of the staff. With the implementation of the ABE at Kedah State Library (PPAK), the condition of the books on the shelves is neatly organized, neat and orderly to attract users to the library. This has led to increased reading among the people of the state due to the easy search of materials on the shelves. The conducive infrastructure will attract users to continue using the library service. As such, it improves library membership, service quality and departmental image. It also creates a proactive and culturally minded first-class community. Implementation of the project has had a significant and positive impact on customers, increased efficiency and optimized costs in addressing financial and human resource constraints, leveraging on new technology capabilities and introducing new service delivery approaches to PPAK staff and users.

*Keyword: ABE*

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### **Novelty & Uniqueness:**

ABE is an adjustable bookcase based on current use that is suitable for all ages. Some of the reforms in ABE are:

- Auto book arrange
- Rack stability
- Balancing
- Alignment
- Warning alert
- Trending Accessories

### **Potential Commercialization:**

ABE is a 100% invention of all group members' ideas. Because ABE is a product that is not yet on the market, nor is it on the Google search. It is an affordable and quality product that is durable and has a long shelf life. In addition, ABE is not only used in the library but also its use can be varied. With all of advantage that we have, we believe ABE can be commercialized.

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First place in Konvensyen Kumpulan Inovatif Dan Kreatif Perpustakaan Sementara Tahun 2018.





**InDeLib 2019 Secretariat**  
Faculty of Information Management  
Universiti Teknologi MARA, Cawangan Kedah,  
08400 Merbok, Kedah.  
Tel:04-456 2411 / 04-456 2528  
E-mail: [indelib.fpm@gmail.com](mailto:indelib.fpm@gmail.com)  
<http://infomgkdh.wixsite.com/indeelib>



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