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6th International Innovation & Design in Library & Information Science Competition (InDeLib2023)

MAPPING THE **LIBRARY** OF **TOMORROW** THROUGH INNOVATION

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PREFACE

The first International Innovation & Design in Library & Information Science Competition (InDeLib) was held in 2016 at the international level. InDeLiB became a brand name linked to the Faculty of Information Management, UiTM Kedah Branch, known to many local and international learning institutions. InDeLib is open to all organizations (libraries), librarians, professionals, researchers, academicians, teachers, and students from institutes of higher learning, college, secondary and primary schools. They share their ideas or methods throughout innovation and invention, particularly in library and information science. The 6th InDeLib 2023 is endorsed by the Librarians Association of Malaysia and the National Library of Malaysia.

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PlanHub MY: INNOVATING THE FUTURE OF DATA MANAGEMENT PLAN SYSTEMS IN MALAYSIA

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Abstract
In the dynamic realm of academic and institutional research, the effective and efficient management of enormous data has become crucial. Nations such as Malaysia, characterized by their increasing research contributions, are positioned at the confluence of global practices and distinctive regional requirements. Although international Data Management Plan (DMP) systems provide comprehensive solutions, they frequently need more specificity to address the nuances and issues encountered in the Malaysian research environment. The discrepancy highlights the necessity for customized solutions that conform to specific regional intricacies while upholding universal benchmarks."PlanHub MY" aims to bring about a transformative impact in the field of data management in Malaysia. Its objective is to address the current gap by offering a customized Data Management Platform (DMP) solution that aligns with the specific requirements of researchers in Malaysia. By conducting thorough investigations into the research landscape in Malaysia, PlanHub MY incorporates international standards and combines them with local knowledge, resulting in a comprehensive and contextually appropriate system. In contrast to traditional data management platform (DMP) solutions that employ a standardized methodology, PlanHub MY has been specifically designed to cater to the needs of Malaysian researchers. This platform incorporates features and functionalities that align with regional policies, financing systems, and cultural factors. PlanHub MY facilitates a culture of transparency, cooperation, and open scholarship by promoting efficient data management. This invention enhances the quality and effect of research conducted in Malaysia and establishes Malaysia as a prominent figure in research data management throughout Southeast Asia. Consequently, it facilitates the evolution of knowledge, fosters collaboration, and contributes to societal advancement.

Keywords
Data Management Plan (DMP), Malaysian research ecosystem, Infrastructure and innovation, Global research standards

Novelty & Uniqueness
The innovative nature of this advancement is seen in the development of 'PlanHub MY', a solution designed exclusively for the Malaysian innovation environment. A wide range of Data Management Plan (DMP) solutions is available. However, many tend to have a generic approach that overlooks the specific issues and complexities that places beyond the Western academic sphere face. 'PlanHub MY' serves as a solution to address this disparity by introducing a Data Management Platform (DMP) platform that combines international best practices with the unique requirements and ambitions of innovators in Malaysia. In contrast to similar platforms, 'PlanHub MY' extensively explores the innovation scene in Malaysia, incorporating cultural subtleties, regional policies, and local obstacles, providing a comprehensive and contextually appropriate solution. Another notable characteristic of this phenomenon is its correlation with

the Sustainable Development Goals (SDGs). 'PlanHub MY' facilitates the advancement of data-driven innovation and guarantees that initiatives align with global sustainability and innovation goals. The dual emphasis of this approach guarantees that ideas originating from Malaysia possess local relevance and global significance. The invention essentially presents a tool that embodies Malaysia's extensive innovation legacy. It is a guiding light for its auspicious future, establishing its prominent position in worldwide academic dialogue.

Potential Commercialization

The platform known as 'PlanHub MY' offers a wide range of prospects for commercialization that transcend beyond the boundaries of the academic realm. In light of the rapid advancement of the digital era, various industries, including healthcare and finance, are confronted with the complexities associated with effectively handling vast quantities of data. 'PlanHub M' is a customized platform explicitly designed for the innovation ecosystem in Malaysia. It is a comprehensive solution for industries across multiple sectors, offering effective data management capabilities that align with local and worldwide standards. Due to its high adaptability, this technology exhibits strong potential for seamless integration into various entities' pre-existing information technology frameworks, including enterprises, government agencies, and non-profit organizations. Furthermore, in light of the growing significance placed on sustainability and its alignment with the Sustainable Development Goals (SDGs), enterprises can utilize 'PlanHub MY' as a platform to demonstrate their dedication to international sustainability benchmarks, thereby gaining a competitive advantage. Start-up enterprises, especially those operating in technology and research, can employ 'PlanHub MY' as a fundamental resource to optimize their data management processes from the initial stages of development and ensure smooth scalability. Moreover, the possibility of implementing subscription-based models or licensing agreements presents a viable and enduring source of income. Collaborative relationships with prominent technology companies or local information technology organizations could further amplify reach and adaptability. The platform 'PlanHub MY' has the potential to significantly transform data management practices across various sectors, offering not only academic advancements but also economic viability and broad societal influence.

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We sincerely appreciate all individuals and institutions that graciously provided their knowledge, time, and resources to support our effort. Your steadfast support and valuable suggestions have played a crucial role in successfully realising 'PlanHub MY'. This innovation serves as evidence of our collaborative effort.