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Entitled

ENLIVENING LIKAS LAGOON RETENTION POND KOTA KINABALU,SABAH INTO A CONDUCIVE PUBLIC SPACES THROUGH ECOLOGICAL DESIGN APPROACH

This academic project is submitted in partial fulfillment of the requirement for the Bachelor of Landscape Architecture (Hons.)

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ABSTRACT

This study is carry out in the means of understanding the environment and ecological in pond area especially in the retention pond and to create a quality public space at Likas Lagoon retention Pond, Kota Kinabalu, Sabah. This research focuses on the important of public spaces in the same time protecting the wildlife habitat. The retention pond at Likas Lagoon is one of potential area to develop into a successful public spaces through ecological approach.

Thus, this study aims at facilitating the researchers in their conservation movement with integration between built and natural environment through ecological design. Through ecological design also can push the boundary between man and nature whereby there would be increased in understanding and bonding towards the natural environment.

The result is a summarizing design that systematically satisfies human needs and environmental protection. In the nutshell, ecological design is crucial in term of designing in the natural sensitive condition whereby it would produce a sustainable environment to facilitate human activities and protect natural biodiversity.

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1.0 INTRODUCTION

Retention pond has a very important role in the life of settlement due to the rapid development that eventually destroys nature ecosystem. It gives advantages in every aspect such as physical, environmental and social. Thus, this study focuses on how the retention pond can provide advantages to the community in every aspect as mention before. As defined by Department of Irrigation and Drainage (DID), Malaysia retention pond is a designed pond with extra additional storage capacity to slow down the surface runoff during rainfall event to prevent the flood.

Retention pond can also become a great space for the community to relaxing and connect people in the community whether as a recreational activity or another activity provided. Besides that, it can be used as a wildlife habitat due to the urban context that already took over their natural habitat.

Likas Lagoon retention pond has been chosen as site study and the purposes of this study are to give exposure on how retention pond can be used as a public space for the community but also preserve wildlife habitat in Likas Lagoon retention pond. Hence, to create new public space while preserving wildlife habitat, the design must be adaptable to the environment which may develop the quality of the natural environment and also the potential to become as conducive public spaces.

This study is not only considered on the current development of public spaces or recreational park but also to concern the future development that may give impact on environmental. This is because to create a new public space in urban context, we must promote people to close with nature. To having a conducive public space, an ecological design approach will be applied in a way to have the livable community or recreational park that making people appreciate nature.