



#### **ABSTRACT**

The built environment provides a footnote to the history, helping to identify the places as a nation, rather than generically 'modern' or 'contemporary'. Historic buildings give us a glimpse of our past and lend character to our com munities as well as serving practical purposes now. However, lack of expertise in the authorities' organization and industries to identify and implement the preservation works result in a slow and tedious conservation process. Generally, Malaysia is rich in architecture legacy especially buildings built during the colonial period. In particular Kuala Lumpur is like an open museum sprin-kled with architectural landmarks built over the last 200 years, a blend of old colonial influences, Asian traditions, Malay Islamic inspirations, modern and post modern mix.

This paper will focus on analysis of adaptive reuse buildings located along Kuala Lumpur heritage trail. This paper aims to assess the viability of the heritage buildings especially after adaptive reuse process.



- they cannot cater for today's demand.
- 2- There is a lack of expertise in the field results in slow and poor conservation works quality

# Assessment on the Viability of Adaptive Reuse for Heritage Buildings. Case study:Kuala Lumpur



## **BACKGROUND STUDY:**



Kuala Lumpur Heritage Zones according to KLCF 2020

An inventory study undertaken in 1992 and 1993 by the Heritage Trust of Malaysia An inventory study undertaken in 1942 and 1959 by the Heritage Irust of Malaysia reveals that there are near 39,000 historic buildings built between 1800 and 1948 throughout the country which are worthy for preservation and conserva-tion. However, these historic buildings are usually left by the advancement of tech-nology, outgrown their intended function due to age structure. In order to success-fully apply adaptive reuse concept, several basic principles should be considered. In adaptive reuse projects, the building envelope of the structure can be complete-If preplaced, salvaged and preserved, or only specific elements restored (Howell & Frye, 2006). Adaptive reuse of heritage buildings is permitted subject to the authority's approval. No specific guidelines apply but the usage should be in line with the building use and should not degrade its historic significance. (Kuala

According to KLCP 2020, heritage zones are categorised into 5 categories:

Primary Heritage Zone, 2)Secondary Heritage Zone, 3)Teriery Heritage Zone, 4)Buffer Zone, 5)Heritage Site

## RESULTS 1.KL PAC

## CASE STUDIES

The main objectives of this reasearch are:

To study the guidelines pro-vided by the local authority re-lating to conservation of heri-tage buildings.

2. To observe the users experi-ences and satisfaction on the new function of the heritage buildings

3. To identify the current build-ing image and spaces which are demanded to make adap-tive reuse of heritage buildings

## THE ASIAN HERITAGE 2.CENTRAL MARKET



. PAC was an abandoned rundown en-neering workshop. Nowadays, it func-ons as Kuala Lumpur Performance Art entre. Adaptive reuse concept manage gives live to the old building.

The new (steel, glass) exists side by side with the old (brick) without damaging what is precious. The new roof is raised above the old one in order to make the theatre functional. The eventual architecture is as tactlle as could possibly be, with the preserved bricks and metal trusses kept as a reminder of what the old world once was.





Asian Heritage Row is located in Doraisami Street and Jalan Yap Ah Shak. It was built on 1921 as pre war double storey town houses.

Original bricks, tiles and timber were used in order to preserve the heritage image and colonial look, by maintaining a much as possible the original façade. Much of the old materials had to be treated with anti cornsion agents before they could be reused. Imper structure to the with steel structures to strengthen and improves the structural properties.

In order to install modern facilities, the conservation works include a process of earthwork to accommo-date power supplies, water, gas, sewage, fire prevention and other modern facilities (Asian Heritage Row Sdn Bhd, n.d).





adaptive reuse the façade was rved. Floor has been tiled with ypes of tiles; terracotta and ce-

## FIELD STUDY&OBSERVATION



The observations involve heritage shophouses along Kuala Lumpur heritage from Central market area, Pet aling Street, Tunku Abdul Rahman Road Doraisami Street and finally Chow Kit Road.

1.Building type&function ently the shophouses remain their ling function as a commercial buil However the upper floors have be

3. Mechanical System The conservation works involve repainting and replacement of original

dditional building ructure complies th the principle of laptive reuse. KLCAL

35% of the shophouses are air conditioned while the rest are mechanically ventilated. It is concluded that air conditioner unit is one of the current demand that makes adaptive reuse of heritage building viable in nowadays situation. Other mention of the current demand in the properties of the condition of the



From the observation it is concluded that the guidelines provided the KLCP 2020 is not





Adaptive reuse of heritage building is efficient in term of providing current modern building services. Additional spaces can be acquired through amalgamation of heritage shophouses or additional building structure.

The guidelines provide a basic control on the addition and renovation of heritage buildings. Basic principle of adaptive reuse which requires the new addition to be readily distinguishable from the original building should also be considered.

The current demand of air conditioned rooms and better lighting fixtures which is lacking in the heritage building can be successfully adapted to the original design by following the guidelines provided by the authority. Modern mechanical requirement should be located on the Service zone as indicated in the KLCP 2020.

However, the implementation should be more strictly observed by the authority in order to maintain the heritage image of the buildings.

CONCLUSION

Contacts

BRUNILDA

Surname **BASHA** 

Institution: IIUM INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA Contacts Tel:+60172180571 Email:enilda06@gmail.com

