

CADANGAN PENAMBAHBAIKAN SUSUN ATUR RUANG PERNIAGAAN TINGKAT BAWAH DI KOMPLEKS MEMBELI-BELAH WARTA, BANGI

(Layout Improvement Suggestion for Ground Floor Business Spaces at
Warta Shopping Complex, Bangi)

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ABSTRAK

Susun atur yang baik bagi sesebuah fasiliti melibatkan perancangan keperluan bahan dan peletakan peralatan serta penggunaan ruang secara terbaik untuk mencapai nilai keselesaan yang menepati prinsip perancangan. Kajian ini meninjau aspek susun atur di Kompleks Membeli-belah Warta di Bandar Baru Bangi dan mencadangkan penambahbaikan bagi mengatasi masalah susun atur yang dihadapi. Untuk itu, lawatan dan pemerhatian dilakukan di lokasi ini, dan isu serta masalah berkaitan dengan susun atur dikumpulkan berdasarkan soal selidik yang diedarkan kepada 30 orang pengguna. Seterusnya, cadangan susun atur yang baru dikemukakan dengan membangunkan suatu persekitaran visualisasi susun atur menggunakan perisian *Google SketchUp*. Masalah susun atur yang ketara adalah berkaitan dengan kesesakan ruang yang menyukarkan pergerakan para pengunjung membeli-belah. Selain itu, kemudahan untuk pengunjung seperti kerusi, maklumat dan papan tanda adalah pada tahap tidak memuaskan. Kemudahan untuk orang kurang upaya (OKU) juga kurang diberi perhatian oleh pihak pengurusan seperti laluan untuk mereka yang berkerusi roda dan tandas untuk OKU. Penambahbaikan dicadangkan bagi mengatasi masalah ini dan susun atur yang baru dikemukakan dalam persekitaran maya. Persekitaran maya ini mampu memberi gambaran keperluan ruang, menilai interaksi unit-unit jualan, memastikan kelancaran laluan pengguna dan menekankan aspek keselamatan.

Kata kunci: susun atur; fasiliti; penambahbaikan

ABSTRACT

Good facility layout involves preparation of material requirement, arrangement of physical equipment, and use of space in the best way to achieve maximum efficiency and smoothness. This study examines the layout practice of the ground floor area in Warta Shopping Complex in Bandar Baru Bangi and proposes a new layout to overcome the existing problems. Therefore, a number of visits and observations have been made on this facility, and issues and problems related to the layout was collected based on questionnaires distributed to 30 users. Then, a new layout suggestion is proposed and a visualisation environment is developed using the *Google SketchUp* software. A significant layout problem is related to crowded space that hinder visitors' movement to shop around. Furthermore, basic facilities for customers such as chairs, information, and sign boards are not in a satisfying level. Facilities for disabled people, such as proper paths for those on wheel chairs and toilets, are not given enough attention by the management. Improvement to overcome these problems is proposed in a virtual environment. In this virtual environment, users could visualise the use of space, evaluate sales units relationship, ensure smoothness of visitors movement, and consider safety issues.

Keywords: layout; facility; improvement

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