論文要旨

日曜市活性化のためのテントと休憩所の設計

社会システム工学コース

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　本設計は高知市の日曜市を対象としている。衰退しつつある日曜市の活性化策として「テントと休憩所の設計」をした。設計の目的は「出店者の負担軽減」「休憩所利用者の増加」である。

　日曜市にて休憩所の家具配置と利用者数の関係を調査し、休憩所の家具はベンチを採用することで利用者数と利用時間が増加するという結果を得たため、設計した休憩所ではベンチを配置した。

　テントは課題の抽出と対応を繰り返し第 1 案から第 4 案まで設計した。しかしどの案も製作の都合や構造的な欠陥によって実現できなかった。これは設計者としての技量不足と設計方針の不適が原因であったとして、最終的に設計方針の変更が必要であると結論づけた。

　設計したテント及び休憩所の実地検証ができず、目的は達成できなかったが実地調査によって休憩所設計が休憩所利用者増加に対して有効であることを確認した。また、設計を経てテント構成パーツの縮小化に効果的な部材接合部を考案した。

Abstract

Designing Tents and Rest Areas for Revitalizing the Kochi Sunday Market

Infrastructure Systems Engineering Course

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This design project is for the Kochi Sunday Market. The measure that revitalizing the declining Kochi Sunday Market is designing a tent and rest area.

The purpose of this design project was to reduce the burden on the stall holders and to increase the number of users of the rest area.

A study of the relationship between the number of users and the arrangement of furniture in rest areas at the Sunday Market showed that the number of users and the time spent using the rest area increased when benches were used as rest area furniture, so benches were used in the rest area that was designed.

The tent was designed from the first to the fourth proposal after repeatedly identifying and addressing the issues. However, none of the proposals could be realized due to manufacturing reasons or structural defects. This was due to the lack of skill of the designer and the design policy, and it was finally concluded that a change in the design policy was necessary.

Although the objectives were not achieved because the designed tent and rest area could not be verified in the field, the field survey confirmed that the rest area design was effective in increasing the number of rest area users. However, the field survey confirmed that the rest area design is effective in increasing the number of rest area users. In addition, the project led to the development of effective material joints for reducing the size of tent components.