氏名 WANG WEIJIA 学位 (専攻分野) 博士(工学) 学位記番号 千大院理工博甲第工118号 学位記授与の日付 令和5年3月31日 学位記授与の要件 学位規則第4条第1項該当 学位論文題目 Exploring the experience design strategy based on visualization method in landscape context (可視化手法に基づくランドスケープにお けるエクスペリエンスデザインの戦略に関する研究) 教 授:原 寛道 論文審査委員 (主 査)

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## 論文内容の要旨

Rural design and inclusive tourism in China are hot topics. Environmental, architectural, landscape, and experiential design require interdisciplinary approaches. This study uses design method theories to improve village tourism for village regeneration. It also involves human-environment interaction. The research proposes a visualisation method-based dynamic design strategy that explores a new visitor experience-ecosystem balance.

The thesis is started with a research survey. Quantitative and qualitative data were analysed. First, it examined the relationship between roles and service and landscape composition. Second, the thesis introduced "servicescape" and user experience. Factor and regression analysis identified three scene and four tourist experience factors. Then, We used image entropy to visualise landscape perception content and proposed a visualisation framework as the primary method in dynamic design strategy.

We researched and applied in two traditional villages in Western Zhejiang, China. According to the landscape services (LS) and historical landscape elements (HLE) we conclude the Combinations and Types. The analysis showed that pleasure and joy improve tourist experiences. Excitement and negativity don't affect tourism. The thesis concludes that the visualisation framework is feasible in exploratory, generative, and evaluative design phases. We discussed design definition, study limitations, and future research. In conclusion, inclusive tourism and social innovation are linked. Tourists benefit from protecting and improving traditional village buildings and landscapes. Implementers must prioritise tourists' holistic experience and public participation.