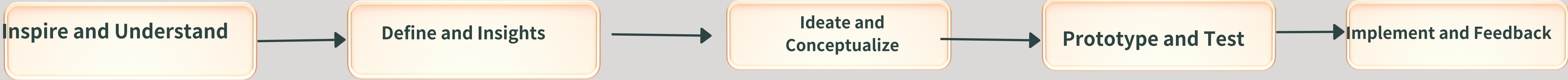




LOOKING AT THE FACTORS OF URBAN LANDSCAPE REVITALIZATION FROM THE PERSPECTIVE OF URBAN AGRICULTURE: TAKING JAPANESE PADDY FIELD ART AS AN EXAMPLE

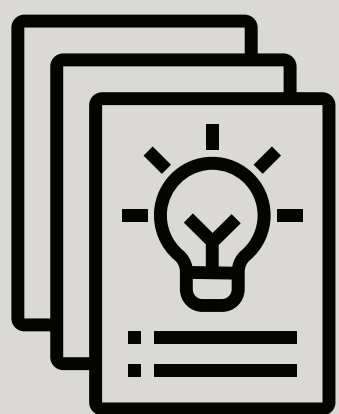
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PROJECT STATEMENT

Urbanization poses challenges in food supply, sustainability, and living conditions. Urban agriculture, including rice fields, can enhance aesthetics, greenery, and life quality. Japanese rice field art inspires this research on urban agriculture's potential for sustainable development.



BACKGROUND

Urban landscapes are vital for quality of life, tourism, community engagement, and sustainability. With urbanization challenges, urban agriculture, like Japanese rice field art, offers revitalization potential. We'll explore how urban agriculture influences aesthetics, greenery, community interaction, and sustainability in urban landscapes, focusing on Yasukawa Village, Aomori, Japan, with input from urban residents and farmers.

OBJECTIVE

The study explores revitalizing urban landscapes through rice fields in urban agriculture. It analyzes creative techniques, vegetation use, cultivation methods, and planting techniques in Japanese rice fields to enhance urban aesthetics. The research provides insights for urban planners and agricultural practitioners to create pleasing agricultural landscapes in urban areas, aiming to improve the quality of urban living environments.

METHODOLOGY

This paper explores urban agriculture and landscapes via literature analysis. It describes our research methodology for collecting, screening, and evaluating literature to establish a reliable theoretical and empirical foundation.

- Literature collection from various sources
- Initial screening based on relevance
- Further evaluation of quality and alignment
- Inclusion criteria for final selection
- Thorough review and annotation
- Extraction of key information
- Exploration of vegetation utilization
- Research findings provide reference experiences
- Feasibility of introducing rice field art in various regions considered

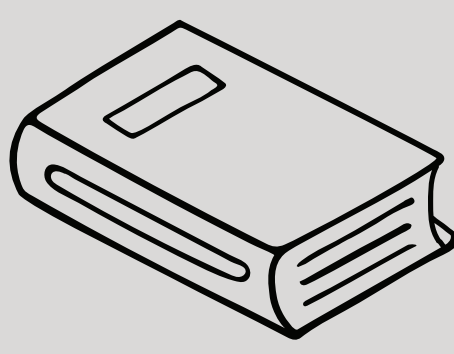


FINDING

In my literature research, I focused on revitalizing urban landscapes through rice fields in urban agriculture. By exploring the aesthetics and innovative techniques of Japanese rice field art, I identified strategies like pattern design, rice variety selection, seasonal changes, and maintenance that can enhance urban landscapes. The organic integration of rice fields with other elements contributes to multi-level landscape design and urban attractiveness. While Japanese rice field art serves as an inspiring reference, it requires adaptation to regional characteristics. This study bridges the knowledge gap in achieving aesthetic goals and optimizing vegetation use in urban agriculture, improving urban landscape quality and ecological sustainability.

LITERATURE REVIEW

- Zazo Moratella et al., 2020 Until recently, no global study attempted to describe the heterogeneous landscapes (agricultural and non agricultural) in the Barcelona region in any official way. This landscape catalog is regarded as a useful tool for landscape planning and management from a spatial planning perspective.
- Lovell, 2010, reviewed the literature on urban agriculture applicable to land use planning in the United States. As opportunities for integrating urban agriculture into urban structures continue to expand, this work has significant implications for urban planners, landscape designers, and promotion agencies
- Uwajeh et al., 2018 aims to highlight the various factors of urban landscape and horticultural practices, as well as the dynamics of their cultural and ecological impacts in building communities, transforming communities, or creating personal prosperity.



1
STEP

Author	Year	Title	Journal	Volume	Issue	Pages	Abstract	Keywords	Conclusion
Zazo Moratella et al.	2020	Landscape Catalog of the Barcelona Region	Landscape and Urban Planning	195	1	1-12	This catalog provides a comprehensive overview of the diverse landscapes in the Barcelona region, including agricultural and non-agricultural areas. It serves as a valuable tool for landscape planning and management.	Barcelona, landscape, catalog, planning, management	The catalog is a useful tool for landscape planning and management from a spatial planning perspective.

Author	Year	Title	Journal	Volume	Issue	Pages	Abstract	Keywords	Conclusion
Lovell	2010	Urban Agriculture and Land Use Planning in the United States	Urban Affairs Review	45	1	1-12	This review examines the literature on urban agriculture and its applicability to land use planning in the United States. It highlights the opportunities for integrating urban agriculture into urban structures and the implications for urban planners, landscape designers, and promotion agencies.	Urban agriculture, land use planning, United States, opportunities, implications	As opportunities for integrating urban agriculture into urban structures continue to expand, this work has significant implications for urban planners, landscape designers, and promotion agencies.

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2
STEP

Author	Year	Title	Journal	Volume	Issue	Pages	Abstract	Keywords	Conclusion
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3
STEP

Screenshot of literature research charts: In literature research, use tables to compare key elements, including main content, methods, sample size, conclusions, and comments, in order to comprehensively understand the characteristics of each study. This helps me gain a deeper understanding of the aesthetic research of urban agricultural rice fields

CONCLUSION

In this study, I explored applying rice field art to urban agriculture to enhance urban aesthetics. I summarized key findings, addressed limitations, and suggested future research. Rice field art's innovative patterns and practices beautify urban landscapes, benefiting both urban and rural areas. While this research highlights the potential, it acknowledges limited literature and environmental concerns. Future studies can expand beyond rice, focusing on creative landscape design and sustainability in urban agriculture.



RESEARCH QUESTION

- How to achieve aesthetic goals through rice fields in urban agriculture?
- How can the aesthetic strategies and technologies in the Japanese rice field model provide reference experiences for other places or urban agriculture to enrich their landscape diversity and aesthetic experience?
- How can rice fields in urban agriculture provide more aesthetic changes and richness compared to other vegetation types?
- How to organically combine rice fields in urban agriculture with other landscape elements (such as water bodies, flower beds, trees, etc.) to achieve maximum aesthetic effect and landscape hierarchy?

