

Evaluation of biodiversity in artificial forests on a broad scale - Using broadleaved trees as an indicator-

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Abstract:

Recent years, functions required to forest is being various, especially conservation of biodiversity is attracting attention in Japan, and all over the world. On the other hand, 67% of national land is forest in Japan, furthermore 41% of forest is artificial forest. So, if we think about conservation of biodiversity in forest, we should give attention to artificial forest too. In this thesis, we expect that promoting sustainable forest management in artificial forest is important in the future, and so we aimed to suggest the evaluation model of biodiversity in artificial forest that will be easily used by forest manager. As a result, it is possible to consume the evaluation model of biodiversity in artificial forest on a broad scale by combine variable kinds of indicator.

Key words: artificial forest, forestry management, landscape, species diversity index, Land Use Diversity Index