

# **Spatio-Temporal Changes of Crop Concentration in Thandaunggyi Township**

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## **Abstract**

This paper examines changes of crop concentration in Thandaunggyi Township from the geographical point of view. Thandaunggyi Township is located in the northernmost part of Kayin State in the southeast of Myanmar. Due to its mountainous nature, the cultivated crops vary from other surrounding areas. The natural conditions favour for plantation of perennial crops. The major cultivated crops are cardamom, coffee, betel-nut, rubber, tea and garden crops. Garden crops include djenkol bean (danjin), durian, mangosteen, lichi, pomelo, orange etc. Tea and coffee plantation have existed since British Colonial Period. Cardamom and rubber plantations are the recent development due to the introduction of market economy. The spatial analysis on the major crops was calculated by using Bhatia (1965) concentration method based on secondary data of 2005-06 and 2016-17. Among them, the most concentrated cardamom areas are markedly changed during 2005-06 and 2016-17.

**Key words:** major crops, concentration index, spatio-temporal changes.

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