

Study on corn silk drying for corn silk tea

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The objectives of this research were to study silk corn drying using microwave oven technique and to find out the appropriate thin layer equation for predicting the drying kinetic of silk corn. To achieve these purposes, experiments were conducted on drying electric power of microwave oven 300, 500 and 700 W. The effects of drying conditions on moisture ratio, drying rate, humidity absorption and some properties when make tea. From experimental results, it was revealed that increment of drying time each electric power. Furthermore, it was found that thin layer equation providing the highest coefficient of determination (R^2) and the lowest root mean square error (RMSE).

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