

**Title :** Analysis of percent drug dissolve with dissolution tester.

**Author(s) :** 1. Ms. Suchanya Udomrattanayothin.

**Student ID :** 640510081.

**Major :** Chemistry.

**Advisor(s) :** 1. Associate Professor Dr. Kongkiat Trisuwan.

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## ABSTRACT

The most common dosage form is oral formulations. One of the most important factors in the effectiveness of oral drugs is their dissolution after they enter the body. The active ingredient in a drug must be released and dissolved before it is absorbed into the body for its therapeutic effect. From studying the working principles and determining the dissolution values of capsules, tablets, and suspensions using a Dissolution tester that simulates the dissolution conditions of drugs in the stomach. Therefore, the medium which is part of the gastric pH was selected to determine the dissolution value of capsule X. The dissolution values of 6 tablets were 95.50, 93.91, 95.33, 95.36, 93.62 and 95.11%, respectively. The dissolution values of tablet Y were 95.12, 91.15, 95.03, 96.53, 94.62 and 95.90%, respectively. The dissolution values of suspension Z were 95.89, 90.24, 96.97, 97.89, 85.16 and 94.99%, respectively, which were in accordance with the criteria and principles of the instruments specified by the international Pharmacopoeia.

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