Simulation of fluorite flotation circuit is a process or procedure to design a model to represent the actual fluorite flotation system. The simulation can be used to study the behavior of the circuit under real conditions. Analysis of information from the use of different parameters in fluorite flotation can be made. The simulation model is a set of computer program written in FORTRAN 77 (FSIM.FOR) and TURBO PASCAL VERSION 4.0 (SIMULA.INC) which can be simply applied to any other mineral flotation circuit.

Results of the simulation of fluorite circuit in comparison with the observed data obtained from the actual system of the 3 flotation plants ; Krabi Fluorite Co.,Ltd, Thai Fluorite Processing Co.,Ltd and Tad Dauo Mining Co.,Ltd are satisfactory. It therefore indicates that the model could be applicable to simulate the actual system with acceptable accuracy in the design of a new circuit or studying behavior of the circuit under different conditions.