

## **Abstract**

Competition in the world of telecommunications, specially mobile phone is very tighten. Operators compete to increase service for their subscriber, in order to increase number of subscriber and the subscriber that used their service operator doesn't move to another operator. So that the operators improving their service quality.

Primary factor to use prepaid cellular service is need existence of funds. That also become problems in communicating if fund is not enough. Limitation of funds can be causes loss of communication, once upon a time communication is really needed, especially in modern human live that full of activities and mobilities.

Mechanism of Mobile Phone's Credit Share System Based on Short Message Service (SMS) become an alternatif to solve limitation of funds. Subscriber that have balance in their prepaid account can share their fund to another subscriber. Message sending to this system is a request to share balance of subscriber that give a privilege to another subscriber. System will work functionality if it can communicate with Intelligent Network (IN). At specific conditions, IN will get data on database credit share system, as refers to charging subscriber balance if use operator service.

**Keywords:** credit share system, mobile phone, sms, billing, charging