

# Collaboration, Communities, Well-being and Information System

**Abdul Rahman Bin Ahmad Dahlan  
Muhd Rosydi Bin Muhammad**



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Muhd Rosydi bin Muhammad



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### **ABSTRACT**

Despite of a variety of recognized weaknesses and vulnerabilities, majority of information systems are still using usernames/password combination. This study attempts to identify possibilities for improved login authentication and investigate the suitability of eye-screen and thumbs print as a solution for the security problem. By adopting the Quadruple Helix Model collaborations, the proposed Super Authentication Security system (SASS) involves information sharing and collaboration between government agencies, banking industry, research institutions and citizens. This collaborative system is a delivery model for shared computing resources, software, databases, and information over a digital network amongst collaborators. In the situation where – for examples – SASS detects any error while a consumer tries to withdraw his money, eye scanning does not match with the stored data, the SASS will immediately send alert notification to National Registration Department (NRD), then the NRD will send the registry data to the Royal Malaysia Police (RPM) database system in order to identify any potential fraud. SASS applies the inter-agency data-sharing concept, which is in-line with aspiration of “The Malaysia Public Sector ICT Strategic Plan (2001-2015)”.