ABSTRACT

With the intensive global competition and dynamic business environment that make the supply chain should have abilities to sense, integrate and respond to market changes. Inter-organizational systems (IOS) is widely regarded by both practitioners and researchers as a means to share and integrate information in supply chain to respond market changes. Based on supply chain collaboration concept and by using Taiwan's bicycle industry data collected from a survey of 168 firms which includes all chain members, hypotheses regarding the role of IOS in enabling the industry supply chain capability and affect firm performance were empirically tested. The results indicate that IOS implementation has a significant impact on supply chain capabilities, which in turn create a significant positive effect on operational performance, ultimately leads to improve growth rate and profitability in firms. Another interesting finding of the research is that supply chain capabilities can't directly affect financial performance. This finding highlights the importance for firms to promote supply chain capability and implement IOS as an enabler, and also provides a different perspective for IOS application path.

Keywords: Inter-organizational systems; Supply chain capabilities; Operation performance; Financial performance...