



## Analyzing the effect of supply chain strategies and collaboration on performance improvement using MIMIC model

S. Kunnapadeelert\*, K. Pitchayadejanant

*Burapha University, International College, Logistics Management, Chonburi, Thailand;*

### References

- [1] C. K., Udokporo, A., Anosike, M., Lim, S. P., Nadeem, J. A., Garza-Reyes, & C. P., Ogbuka, "Impact of Lean, Agile and Green (LAG) on business competitiveness: An empirical study of fast moving consumer goods businesses", *Res., Conservation and Recycling*, vol. 156, 2020, pp. 1-10.
- [2] J. J., Mistry, "Supply Chain Manage. : A Case Study of an Integrated Lean and Agile Model," *Qualitative Res. in Accounting & Manage.*, vol. 2, no. 2, 2005, pp.193-215.
- [3] K. L., VITASEK, K. B., Manrodt, and J., Abbott, "What makes a lean supply chain?" *Supply Chain Manage. Rev.*, vol. 9, no. 7, pp. 39-45: ill., Oct. 2005.
- [4] S. L., Goldman, R. N., Nagel, and K., Preiss, *Agile competitors, and virtual organizations: strategies for enriching the customer.* vol. 8, New York: Van Nostrand Reinhold, 1995.
- [5] H. L., Lee, "The triple-A supply chain," *Harvard Bus. Rev.*, vol. 82, no. 10, 2004, pp. 102-113.
- [6] P., Serrador, and J. K. Pinto, "Does Agile work?—A quantitative analysis of agile project success," *Int. J. of Project Manage.*, vol. 33, no. 5, pp.1040-1051.
- [7] S., Qrunfleh, and M., Tarafdar, "Supply chain Inf. Syst. strategy: Impacts on supply chain performance and firm performance," *Int. J. of Prod. Econ.*, vol. 147, pp.340-350, Jan. 2014.
- [8] D., Prajogo, and J., Olhager, "Supply chain integration and performance: The effects of long-term relationships, Inf. Technol. and sharing, and logistics integration," *Int. J. of Prod. Econ.*, vol. 135, no. 1, 2012, pp. 514-522.
- [9] Y., Qi, B., Huo, Z., Wang, and H. Y. J. Yeung, "The impact of operations and supply chain strategies on integration and performance," *Int. J. of Prod. Econ.*, vol. 185, 2017, pp. 162-174.
- [10] N., Garcia-Buendia, J., Moyano-Fuentes, and J.M., Maqueira-Marín, "Lean supply chain management and performance relationships: what has been done and what is left to do," *CIRP J. of Manuf. Science and Technology*, vol. 32, 2021, pp.405-423.
- [11] R., El-Khalil, and A.M. Mohamad, "The mediating impact of sustainability on the relationship between agility and operational performance," *Operations Research Perspectives*, vol. 7, 2020, pp. 100171.
- [12] M., Srinivasan, S., Prashant and N.I., Karthik, "Response strategy to environment context factors using a lean and agile approach: Implications for firm performance," *European Manage. J.*, vol. 38, no. 6, 2020, pp. 900-913.
- [13] Y., He, K. K., Lai, H., Sun, and Y. Chen, "The impact of supplier integration on customer integration and new product performance: The mediating role of Manufacturing flexibility under trust theory," *Int. J. of Prod. Econ.*, vol. 147, pp. 260-270, Jan. 2014.
- [14] Munir, M., Jajja, M.S.S., Chatha, K.A. and Farooq, S., 2020. Supply chain risk management and operational performance: The enabling role of supply chain integration. *Int. J. of Prod. Econ.*, vol. 227, p.107667.
- [15] Liu, A., Liu, H. and Gu, J., 2021. Linking business model design and operational performance: The mediating role of supply chain integration. *Ind. Marketing Manage.*, vol. 96, pp.60-70.
- [16] M. J., Braunscheidel, and N. C., Suresh, "The organizational antecedents of a firm's supply chain agility for risk mitigation and response," *J. of Operations Manage.*, vol. 27, no. 2, 2009, pp. 119-140.
- [17] H., Chiub, and Y. H., Tsenga, "Agility evaluation using fuzzy logic," *Int. J. Prod. Econ.*, vol. 101, 2006, pp. 353-368.
- [18] D., Birhanu, K., Lanka, A. N., Rao, "A survey of classifications in supply chain strategies," *Procedia eng.* vol. 97, pp. 2289-2297, Jan. 2014.
- [19] S. A. Villacís and P. S. Burneo, "UAVs' efficient assembly: Lean Manufacturing implementation in an UAVs' Assembly

- Company," *Int. J. Ind. Eng. Manag.*, vol. 11, no. 4, pp. 237-252, 2020, doi: 10.24867/IJIEEM-2020-4-268.
- [20] D. J., Bowersox, D. J., Closs, and T. P., Stank, 21st century logistics: making supply chain integration a reality, 1999.
- [21] C. G. Chatzopoulos and M. Weber, "Digitization and Lean Customer Experience Management: Success Factors and Conditions, Pitfalls And Failures," *Int. J. Ind. Eng. Manag.*, vol. 12, no. 2, pp. 73-84, 2021, doi: 10.24867/IJIEEM-2021-2-278.
- [22] H., Taherdoost, and A., Brard, "Analyzing the process of supplier selection criteria and methods," *Procedia Manuf.*, vol. 32, 2019, pp. 1024-1034.
- [23] M., Cho, M. A., Bonn, L., Giunipero, and J. S., Jaggi, "Supplier selection and partnerships: Effects upon restaurant operational and strategic benefits and performance," *Int. J. of Hospitality Manage.*, vol. 94, pp. 102781, Apri. 2021.
- [24] P. Y., Huang, B., Niu, and S. L., Pan, "Platform-based customer agility: An integrated framework of Inf. Manage. structure, capability, and culture," *Int. J. of Inf. Manage.*, vol. 59, pp. 102346, Aug. 2021.
- [25] M., Zielske, and T. Held, "Application of agile methods in traditional logistics companies and logistics startups: Results from a German Delphi Study," *J. of Syst. and Softw.*, pp. 110950, Mar. 2021.
- [26] R., Hoda, J., Noble, and S., Marshall, "The impact of inadequate customer collaboration on self-organizing Agile teams," *Inf. and Softw. Technol.*, vol. 53, no. 5, pp. 521-534, May 2011.
- [27] J. G., Schmidt, and D. Lyle, "Lean integration: an integration factory approach to Bus. agility," Pearson Education., May 2020.
- [28] H., Bauer, F., Brandl, C., Lock, and G. Reinhart, "Integration of Industrie 4.0 in lean Manuf. learning factories," *Procedia Manuf.*, vol. 23, pp. 147-152., Jan. 2018.
- [29] J., Roh, P., Hong, and H. Min, "Implementation of a responsive supply chain strategy in global complexity: The case of manufacturing firms," *Int. J. of Prod. Econ.*, vol. 147, pp. 198-210, Jan. 2014.
- [30] J., Wang, and W. Zhuo, "Strategic Inf. sharing in a supply chain under potential supplier encroachment," *Computers & Ind. Eng.*, vol. 150, pp. 106880, Dec. 2020.
- [31] C. J. Yuik and P. Puvanavarman, "Development of Lean Manufacturing Implementation Framework in Machinery and Equipment SMEs," *Int. J. Ind. Eng. Manag.*, vol. 11, no. 3, pp. 157-169, 2020, doi: 10.24867/IJIEEM-2020-3-261..
- [32] Y., Shou, Y., Li, Y., Park, and M., Kang, "Supply chain integration and operational performance: the contingency effects of production System," *J. of Purchasing and Supply Manage.*, vol. 24, no.4, pp. 352-360, Oct. 2018.
- [33] E. A., Morash, C., Dröge, and S., Vickery, "Boundary spanning interfaces between logistics, production, marketing and new product development," *Int. J. of Physical Distribution & Logistics Manage.*, Oct. 1996.
- [34] I., de la Calle, A., Freije, and J. V., Ugarte, "Role of supply chain integration in the product innovation capability of servitized Manuf. companies," *Technovation*, pp. 102216, Jan. 2021.
- [35] B. B., Flynn, X., Koufteros, and G., Lu, "On theory in supply chain uncertainty and its implications for supply chain integration," *J. of Supply Chain Manage.*, vol. 52, no. 3, pp. 3-27, Jul. 2016.
- [36] J. C., Nunnally, "Psychometric theory 3E," Tata McGraw-hill education, 1994.
- [37] J. C., Anderson, and D. W., Gerbing, "Structural equation modeling in practice: A Rev. and recommended two-step approach," *Psychological bulletin*, vol. 103, no. 3, pp. 411, May. 1988.
- [38] L. T., Hu, and P. M., Bentler, "Cutoff criteria for fit indexes in covariance structure analysis: Conventional criteria versus new alternatives," *Structural equation modeling: a multidisciplinary J.*, vol. 6, no. 1, pp. 1-55, Jan. 1999.
- [39] M. W., Browne, "Alternative ways of assessing model fit," *Testing structural equation models*, 1993.
- [40] P. M., Bentler, and D. G. Bonett, "Significance tests and goodness of fit in the analysis of covariance structures," *Psychological bulletin*, vol. 88, no. 3, pp. 588, 1980.
- [41] B. G., Tabachnick, L. S., Fidell, and J. B. Ullman, "Using multivariate statistics," Boston, MA: Pearson, vol. 5, pp. 481-498, 2007.
- [42] T. A., Brown, *Confirmatory factor analysis for applied Res.* Guilford publications, 2015.
- [43] R. B., Kline *Principles and practice of structural equation modeling.* Guilford publications, 2015.