

BAB V

PENUTUP

5.1 Kesimpulan

Berdasarkan pembahasan dari bab-bab sebelumnya, maka dapat ditarik kesimpulan dari penelitian dan penulisan laporan ini adalah sebagai berikut:

1. Model sistem multi-agen manajemen rantai pasok elektronik penyelenggaraan rehabilitasi dan rekonstruksi pascabencana yang diusulkan peneliti telah sesuai dengan penyelenggaraan rehabilitasi dan rekonstruksi pascabencana yang diimplementasi oleh Badan Penanggulangan Bencana Daerah Daerah Istimewa Yogyakarta.
2. Manajemen rantai pasok elektronik penyelenggaraan rehabilitasi dan rekonstruksi pascabencana yang dibangun oleh peneliti didasarkan pada model sistem multi-agen manajemen rantai pasok elektronik penyelenggaraan rehabilitasi dan rekonstruksi pascabencana yang valid. Aplikasi ini memiliki fitur-fitur untuk membantu Badan Penanggulangan Bencana Daerah Daerah Istimewa Yogyakarta dalam mengelola penyelenggaraan rehabilitasi dan rekonstruksi pascabencana, mengoordinasi para pemangku kepentingan, mengelola aliran informasi, dan memberikan ruang bagi peran serta masyarakat luas.

5.2 Saran

Beberapa saran yang dapat disampaikan oleh peneliti setelah melakukan penelitian dan menulis laporan ini adalah sebagai berikut:

1. Manajemen rantai pasok elektronik penyelenggaraan rehabilitasi dan rekonstruksi pascabencana di Daerah Istimewa Yogyakarta melibatkan banyak pihak dari berbagai instansi pemerintah. Oleh karena itu dibutuhkan komitmen dan dukungan penuh dari top level pemerintah daerah agar implementasi manajemen rantai pasok elektronik rehabilitasi dan rekonstruksi ini dapat mencapai kesuksesan.
2. Dalam pengembangan sistem selanjutnya, agen-agen di dalam sistem multi-agen dapat dikembangkan lagi agar dapat melakukan lebih banyak tugas sesuai dengan kebutuhan penyelenggaraan rehabilitasi dan rekonstruksi pascabencana.

DAFTAR PUSTAKA

- Al-zu‘bi, H., 2010. Applying Electronic Supply Chain Management Using Multi-Agent System: A Managerial Perspective. *International Arab Journal of e-Technology*, 1(3).
- Angeles, R. & Nath, , 2007. Business-to-business e-procurement: success factors and challenges to implementation. *Supply Chain Management: An International Journal*, 12(2), pp.104-15.
- Caputo, A.C., Cucchiella, F., Fratocchi, L. & Pelagagge, P.M., 2004. Analysis and evaluation of e-supply chain performances. *Industrial Management & Data Systems*, 104(7), pp.546-57.
- Chang, S.-I. & Tsia, Y.-F., 2006. Critical Factors of e-SCM Adoption on Small – And Medium – Sized Enterprises Performance: An Empirical Study. *International Journal of Electronic Business Management*, 4(2), pp.159-72.
- Chen, C.-Y., Leu, J.-D. & Chiou, C.-H., 2006. The impact of E-Supply Chain Capability on Competitive Advantage and Organizational Performance. *International Journal of Electronic Business Management*, 4(5), pp.419-27.
- Chen, M.-C., Yang, T. & Li, H.-C., 2007. Evaluating the supply chain performance of IT-based inter-enterprise collaboration. *Information & Management*, 44(6), pp.524–34.
- Choi, H.-c.P., 2010. Information Sharing in Supply Chain Management: A Literature Review on Analytical Research. *California Journal of Operations Management*, 8(1), pp.110-16.
- Chopra, S. & Meindl, P., 2013. *Supply Chain Management: Strategy, Planning, and Operation*. London: Pearson Education, Inc.
- Chou, S.-Y. & Chen, D., 2012. Emergency Supply Chain Management: Case Study Of Taiwan. *African Journal of Business Management*, 6(34), pp.9718-29.
- Chou, D.C., Tan, & Yen, D.C., 2004. Web technology and supply chain management. *Information Management & Computer Security*, 12(4), pp.338-49.

- Chow, W.S., 2004. An Exploratory Study Of The Success Factors For Extranet Adoption In E-Supply Chain. *Journal of Global Information Management*, 12(1), pp.60-67.
- Cook, D.A. & Skinner, J.M., 2005. How to Perform Credible Verification, Validation, and Accreditation for Modeling and Simulation. *The Journal of Defence Software Engineering*.
- de Oliveira, P.V. et al., 2011. Supply Chain Process Collaboration And Internet Utilization: An International Perspective Of Business To Business Relationships. *Economic And Business Review*, 13(4), pp.203-26.
- Dey, D. & Nath, A., 2013. Study On Key Issues And Critical Success Factors Of E-Supply Chain Management In Health Care Services. *International Journal of Advanced Computer Research*, 3(8).
- DoD, 2009. DoD modelling and simulation verification, validation, and accreditation. *DoDI 5000.61*, 9 December.
- Fatorachian, H., 2012. A critical investigation of E-supply chain practice among SCM. *IJAITI International Journal of Advance Innovations, Thoughts & Ideas*, 1(4).
- Firouzi, S. & Nezarat, A., 2012. An Intelligent Approach for Negotiating between chains in Supply Chain Management Systems. *International Journal of Distributed and Parallel Systems (IJDPS)*, 3(3).
- Gaonkar, R.S. & Viswanadham, N., 2005. Strategic Sourcing and Collaborative Planning in Internet-Enabled Supply Chain Networks Producing Multigeneration Products. *IEEE Transactions On Automation Science And Engineering*, 2(1).
- Gupta, & Abidi, , 2013. Supply Chain Management: A Three Dimensional Framework. *Journal of Management Research*, 5(4).
- Haghishat, F., 2008. The Impact of Information Technology on Coordination Mechanisms of Supply Chain. *World Applied Sciences Journal*, 3(2), pp.74-81.

- Hale, T. & Moberg, C.R., 2005. Improving Supply Chain Disaster Preparedness: A Decision Process For Secure Site Location. *International Journal of Physical Distribution & Logistics Management*, 35(3), pp.195-207.
- Hernández, J.E., Alemany, M.M.E., Lario, F.C. & Poler, R., 2009. SCAMM-CPA: A Supply Chain Agent-Based Modelling Methodology That Supports A Collaborative Planning Process. *Innovar*, 19(34), pp.99-120.
- Hong, S. & Nag, B.N., 2007. Modeling Agent Auctions in a Supply Chain Environment. *International Journal of Intelligent Information Technologies*, 3(1).
- Ivanovska, L.P. & Kaleshovska, N., 2013. Implementation of e-Supply Chain Management. *TEM Journal*, 2(4), pp.314-22.
- Janssen, M., 2005. The Architecture And Business Value Of A Semi-Cooperative, Agent-Based Supply Chain Management System. *Electronic Commerce Research and Applications*, 4.
- Junior, P.S., Novi, J.C., Junior, A.C.P. & de Oliveira, M.M.B., 2010. E-SCM and Inventory Management: A Study of Multiple Cases in a Segment of The Department Store Chain. *Journal of Information System and Technology Management*, 8(2), pp.367-88.
- Kumar, & Srinivasan, S., 2010. A Review of Supply Chain Management using Multi-Agent System. *IJCSI International Journal of Computer Science Issues*, 7(5).
- Law, A.M., 2008. How to Build Valid and Credible Simulation Models. *Proceeding of the 2008 Winter Simulation Conference*.
- Moshkdanian, & Molahosseini, , 2013. Impact of supply chain integration on the performance of Bahman goup. *Interdisciplinary Journal of Contemporary Research in Business*, 5(1).
- Mukhtar, M. et al., 2009. A Framework for Analyzing e-Supply Chains. *European Journal of Scientific Research*, 25(4), pp.649-62.
- Ngai, E.W.T., Cheng, T.C.E. & Ho, S.S.M., 2004. Critical Success Factors of Web-based Supply Chain Management System Using Exploratory Factor Analysis. *Production, Planning & Control*, 5(6), pp.622-30.

- Petrovic, D.R. & Milanovic, I., 2012. Supply Chain Architectures In An E-Environment. *Economic horizons*, 14(1), pp.39-52.
- Purohit, B.K. & Hebbal, S.S., 2013. Communication Media And Supply Chain Management: Hypotheses Development. *IOSR Journal of Engineering (IOSRJEN)*, 3(2).
- Rady, H.A., 2011. Multi-Agent System for Negotiation in a Collaborative Supply Chain Management. *International Journal of Video & Image Processing and Network Security IJVIPNS-IJENS*, 11(5).
- Ramayah, T., Sang, T.Y., Omar, R. & Noornin, 2008. Impact of Information Technology (IT) Tools, Partner Relationship And Supply Chain Performance. *Asian Academy of Management Journal*, 13(2), pp.33-55.
- Ranganathan, C., Teo, T.S.H. & Dhal, J., 2011. Web-enabled supply chain management: Key antecedents and performance impacts. *International Journal of Information Management*, 31, pp.533-45.
- Rashed, C.A.A., Azeem, A. & Halim, , 2010. Effect of Information and Knowledge Sharing on Supply Chain Performance: A Survey Based Approach. *Journal of Operations and Supply Chain Management*, 3(2), pp.61-77.
- Sargent, R., 2013. Verification And Validation Of Simulation. *Journal of Simulation*, pp.12-24.
- Shropshire, J. & Kadlec, C., 2009. Developing The IT Disaster Recovery Planning Construct. *Journal of Information Technology Management*, 20(4).
- Tarofder, A.K., Marthandan, & Ahas, 2010. Critical Factors for Diffusion of Web Technologies for Supply Chain Management Functions: Malaysian Perspective. *European Journal of Social Sciences*, 12(3).
- Tojib, D.R. & Sugianto, L.F., 2006. Content Validity of Instruments in IS Research. *Journal of Information Technology Theory and Application (JITTA)*, pp.31-56.
- Trkman, & Groznik, , 2006. Measurement of Supply Chain Integration Benefits. *Interdisciplinary Journal of Information, Knowledge, and Management*, 1.

- Uppin, & Hebbal, S.S., 2010. Multi Agent System Model of Supply Chain for Information Sharing. *Contemporary Engineering Sciences*, 3(1), pp.1-16.
- Vagias, W.M., 2006. *Likert-Type Scale Response Anchors*. Clemson: Clemson International Institute for Tourism & Research Development, Department of Parks, Recreation and Tourism Management.
- Wamba, S.F. & Chatfield, A.T., 2009. A contingency model for creating value from RFID supply chain network projects in logistics and manufacturing environments. *European Journal of Information Systems*, 18, pp.615-36.
- Wang, M. & Liu, J., 2008. On-Demand E-Supply Chain Integration: A Multi-Agent Constraint-Based Approach. *Expert Systems with Applications*, 34, pp.2683-92.
- Zhang, Q., 2008. Essentials for Information Coordination in Supply Chain Systems. *Asian Social Science*, 4(10).
- Zhou, , Lee, G.M. & Lee, T.-s., 2011. The Impact of Supply Information Sharing on Supply Chain Cost and Service Level Performance. In *The 11th International DSI and the 16th APDSI Joint Meeting*. Taipei, Taiwan, 2011.