



DAFTAR PUSTAKA

- Akao, Y., 1990, QFD - Integrating Customer Requirements into Product Design, *Productivity Press*.
- Ahmedova, S., 2015, Factors for Increasing the Competitiveness of Small and Medium-Sized Enterprises (SMEs) In Bulgaria. *Procedia – Social and Behavioral Sciences*, 195, pp. 1104-1112.
- Ayag, Z., 2014, An Integrated Approach To Concept Evaluation In A New Product Development. *J Intell Manuf*,
- Badan Ekonomi Kreatif, 2017, <http://www.bekraf.go.id/subsektor>, diakses pada tanggal 6 Juni 2017.
- Borjesson, F., 2009, Improved output in modular function deployment using heuristics, *International Conference on Engineering Design*, pp. 1-12.
- Bisnis Indonesia, 2018, <http://semarang.bisnis.com/read/20180110/14/97279/diy-perlu-kembangkan-industri-kreatif>, diakses pada tanggal 17 Januari 2018.
- Brooks, F. P., 1987, No silver bullet: Essence and accidents of software engineering. *IEEE computer*, Vol. 20(4), pp. 10-19.
- Brooks, F. P., 1996, The computer scientist as toolsmith II. *Communications of the ACM*, Vol. 39(3), pp. 61-68.
- Capó-Vicedo, J., Expósito-Langa, M., & Molina-Morales, F. X., 2007, Improving SME competitiveness reinforcing interorganisational networks in industrial clusters. *International Entrepreneurship and Management Journal*, 4(2), pp. 147–169.
- Cerit, B., Küçükyazici, G., Kalem, G., 2014, Quality function deployment and its application on a smartphone design, *Balkan Journal of Electrical & Computer Engineering*, Vol. 2 No. 2, pp. 86-91.
- Chan, S. L. and Ip, W. H., 2011, A Dynamic Decision Support System To Predict The Value Of Customer For New Product Development, *Decision Support Systems*, Vol. 52 No. 1, pp. 178-188.
- Cooper, R. G, 1979, The Dimensions of Industrial New Product Success and Failure, *Journal of Marketing*, Vol. 43 No. 3, pp. 93-103.
- Cooper, R.G. and Edgett, S.J., 2003, Overcoming the crunch in resources for new product development, *Research Technology Management*, Vol. 46 No. 3, pp. 48-59.



Cooper, R. G., & Kleinschmidt, E. J., 2000, 2 New Product Performance: What Distinguishes the Star Products. *Australian Journal of Management*, 25(1), pp. 17-46.

Crawford, C. M., & Benedetto, C. A., 2000, New Product Management, edited by MacGraw Hill. *Boston, USA*.

DetikFinance, 2016, <https://finance.detik.com/berita-ekonomi-bisnis/d-3284282/ini-kendala-yang-dihadapi-pelaku-industri-kreatif>, diakses pada tanggal 15 Januari 2018.

Dresch, A., Lacerda, D. P., Miguel, P. A. C., 2015, A Distinctive analysis of case study, action research and design science research, *Review of Business Management*, Vol. 17(56), pp. 1116-1133.

Dym, C. L., & Little, P., 2000, Engineering design: A project based approach.

Erixon G., 1994, MFD - Modular Function Deployment”, in Swedish, Licentiate Thesis, The Royal Institute of Technology, Stockholm, ISSN 1104-2133.

Erixon G., 1998, Modular Function Deployment – A Method for Product Modularization, *Doctoral Thesis*, KTH, Stockholm.

Erlandsson A., 1993, Effective Product Planning - Product Planning in combination with modular product design enables a co-ordinated efficient development of products and manufacturing system”, in Swedish, Licentiate Thesis, The Royal Institute of Technology, Stockholm.

Fantazy, K. A., & Salem, M., 2016, The value of strategy and flexibility in new product development: The impact on performance. *Journal of Enterprise Information Management*, 29(4), pp. 525-548.

Ginn, D., & Zairi, M., 2005, The Role of QFD in Capturing the Voice of Customers. *International Journal of Applied Quality Management*, Vol. 2(2) Special Edition, pp. 1-18.

Griffin, A., & Hauser, J. R., 1993, The voice of the customer. *Marketing science*, 12(1), pp. 1-27.

Gunasekaran, A., Rai, B. K., & Griffin, M., 2011, Resilience and competitiveness of small and medium size enterprises: an empirical research. *International Journal of Production Research*, 49(18), pp. 5489–5509.

Hair, J. F., Black, W. C., Babin, B. J., Anderson, R. E., & Tatham, R. L., 1998, *Multivariate data analysis*, Upper Saddle River, NJ: Prentice hall.

Hamdan, Dr., 2016, Kebijakan Dan Strategi Pengembangan Ekonomi Kreatif,



Disampaikan dalam kegiatan Study Excursie Mahasiswa Jurusan Ilmu Ekonomi dan Studi Pembangunan Universitas Muhammadiyah Malang.

Henard, D. H., and Szymanski, D. M., 2001, Why some new products are more successful than others, *Journal of Marketing Research*, Vol. 38, No. 3, pp. 362-375.

Hevner, A. R., March, S. T., Park, J., and Ram, S., 2004, Design Science in Information Systems Research, *MIS Quarterly*, Vol. 28(1), pp. 75-105.

Hicks, B. J., Culley, S. J., Allen, R. D. and Mullineux, G., 2002, A Framework for the Requirements of Capturing, Storing and Reusing Information and Knowledge in Engineering Design, *International Journal of Information Management*, Vol. 22, no. 4, pp. 263-280.

Holzner, P., Rauch, E., Spena, P. R., Matt, D. T., 2015, Systematic design of SME manufacturing and assembly systems based on axiomatic design, *Procedia CIRP*, Vol. 34, pp. 81-86.

Israr, M. & Gangele, A., 2014, A Quality function deployment methodology for product development, *International Journal of Emerging Trends in Engineering Research*, Vol. 2 No.11, pp. 52-63.

Janthong, N., Brissaud, D., Butdee, S., 2010, Combining axiomatic design and case-based reasoning in an innovative design methodology of mechatronics products, *CIRP Journal of Manufacturing Science and Technology*, Vol 2(4), pp. 226-239.

Kementerian Perindustrian, 2016, <http://www.kemenperin.go.id/artikel/16493/Inovasi-Jadi-Kunci-Sukses-IKM-Berdaya-Saing>. diakses pada tanggal 20 Desember 2017.

Kementerian Perindustrian, 2017, <http://www.kemenperin.go.id/artikel/16808/Menperin-Fokus-Tingkatkan-Daya-Saing,-Populasi-dan-Tenaga-Kerja-IKM>. diakses pada tanggal 22 Mei 2017.

Kementerian Perindustrian, 2017, <http://www.kemenperin.go.id/artikel/17272/Industri-Kreatif-Dituntut-Inovatif-Agar-Produktif>. diakses pada tanggal 22 Mei 2017

Kotler, P. and K.L Keller, 2007, Marketing management, *Pearson Studium*.

Kuechler, W. and Vaishnavi, V., 2012, A Framework for theory development in design science research: multiple perspectives, *Journal of the Association for Information Systems*, Vol. 13(6), pp. 395-423.

Lacerda, D. P., Dresch, A., Proen  a, A., & Antunes Jr., J. A. V., 2013, Design science research: A research method to production engineering. *Gest  o*



& *Produção*, Vol. 20(4), pp. 741-761.

Lange, M. W., & Imsdahl, A., 2014, Modular function deployment: using module drivers to impart strategies to a product architecture. *Advances in Product Family and Product Platform Design*, pp. 91-118, Springer, New York, NY.

Li, M., Cao, G., Liu, W., Du, C., Dong, D., Tan, R., 2016, Research of products' function decomposition drive by reasoning of physical quantity, *Procedia CIRP*, Vol. 39, pp. 114-118.

Malmqvist, J., 1980, A computer-based approach towards including design history information in product models and function means tree, *Engineering*, pp. 593-602.

Manson, N. J., 2006, Is operations research really research? *ORiON*, Vol. 22(2), pp. 155-180.

Maravelakis, E., Bilalis, N., Antoniadis, A., Jones, K. A., Moustakis, V., 2007, Measuring and Benchmarking the Innovativeness of SME's: A Three-Dimensional Fuzzy Logic Approach, *Journal Production Planning & Control*, Vol. 17, pp. 283-292.

March, S. T., & Smith, G. F., 1995, Design and natural science research on information technology. *Decision support systems*, Vol. 15(4), pp. 251-266.

Maulana, M., & Rufaidah, P., 2014, Co-creation of small-medium enterprises, *Procedia – Social and Behavioral Sciences*, Vol. 115, pp. 198-206.

Mostafavi, S. A., Anielozie, M. U., 2012, Incorporating customer needs into products. *Master Thesis in Production Engineering and Management*. Department of Production Engineering KTH Royal Institute of Technology.

Nicholas, J., Ledwith, A., Perks, H., 2011, New product development best practice in SME and large organisations: theory vs practice, *European Journal of Innovation Management*, Vol. 14 Issue: 2, pp. 227-251.

Nunamaker, J., Chen, M., & Purdin, T., 1991, Systems development in information systems research. *Journal of Management Information Systems*, Vol. 7(3), pp. 89-106.

Onori, M., Alsterman, H., Barata, J., 2005, An architecture development approach for evolvable assembly systems, *The 6th IEEE International Symposium on Assembly and task Planning: From Nano to Macro Assembly and Manufacturing*, pp. 19-24.



Osman, K., Bojčetić, N., Marjanović, 2008, Implementation of modular architecture of cooling generators, *International Design Conference – Design 2008*, pp. 465-474.

Osman, K., Bojčetić, N., Marjanović, 2010, Multi Criteria Decision Making In Product Platform Development And Evaluation, *International Design Conference – Design 2010*, pp. 1623-1632.

Otto, K., & Wood, K., 2001, *Product design: Techniques in reverse engineering and new product development*. Prentice Hall.

Owens, J. D., 2007, Why Do Some UK Smes Still Find The Implementation Of A New Product Development Process Problematical?: An Exploratory Investigation, *Management Decision*, Vol. 45 Issue: 2, pp. 235-251.

Owens, J.D. and Davies, J., 2000, The importance of a new product development (NPD) process: getting started, *1st European Conference on Knowledge Management*, Bled School of Management, Bled, 26-27 Oktober.

Pahl, G., and Beitz, W., 1988, Engineering Design a Systematic approach, *Springer-Verlag*, ISBN 0 387 50442 7.

Park, G. J., 2007, *Analytic Methods for Design Practice*, XVI, 627 p. 286 illus., Hardcover ISBN: 978-1-84628-472-4.

Peraturan Menteri Perindustrian Republik Indonesia, Nomor 64/M-IND/PER/7/2016 tentang *besaran jumlah tenaga kerja dan nilai investasi untuk klasifikasi usaha industry*.

Porter, M. E., 1985, *Competitive advantage: creating and sustaining superior performance*. New York.

Pugh, S., 1990, *Total Design - Integrated Methods for Successful Product Engineering*, Addison-Wesley, MA.

Raudberget, D., 2010, The decision process in set-based concurrent engineering- An industrial case study, *International Design Conference*, pp. 937-946.

Rittel, H. J., and Webber, M. M., 1984, Planning Problems Are Wicked Problems, *Developments in Design Methodology*, N. Cross (ed.), John Wiley & Sons, New York.

Robotham, A. J., 2002, The Use of Function/Means Trees for Modelling Technical, Semantic and Business Functions. *Journal of Engineering Design*, Vol. 13(3), pp. 243-251.

Rostek, K., 2012, The reference model of competitiveness factors for SME medical sector. *Economic Modelling*, 29(5), pp. 2039–2048.



Runhua, T., 2000, The conceptual design of a fast clasping mechanism based on function means tree and TRIZ. *TRIZ Journal*.

Schilling, M. A., 2000, Toward a general modular systems theory and its applications to interfirm product modularity. *Academy of Management Review*, Vol. 25(2), pp. 312-334.

Sein, M. K., Henfridsson, O., Purao, S., Rossi, M., and Lindgren, R., 2011, Action design research. *MIS Quarterly*, Vol. 35(1), pp. 37-56.

Shvetsova, O. A., 2017, Management of Small and Medium Enterprises in Global Environment, *IEEE*, 978-1-5386-0777-0/17, pp. 342-345.

Simon, H. A., 1996, *The sciences of the artificial* (3rd ed.). Cambridge: MIT Press.

Sindonews, 2016, Jumlah industry kecil menengah di Yogyakarta Naik 5,19%, <https://ekbis.sindonews.com/read/1153232/34/jumlah-industri-kecil-menengah-di-yogyakarta-naik-519-1478445394>. diakses pada tanggal 14 Januari 2017.

Sullivan, L. P, 1986, Quality Function Deployment - A system to assure that customer needs drive the product design and production process, *Quality Progress*.

Suh. N. P., 2001, *Axiomatic Design: Advances and Applications*, Oxford University Press, New York.

Svendsen, K. H., Hansen, T., 1993, Decomposition of mechanical system and breakdown of specifications, *ICED'93*.

Thakker, A., Jarvis, J., Buggy, M., Sahed, A., 2009, 3DCAD conceptual design of the next-generation impulse turbine using the Pugh decision-matrix, *Materials and Design*, Vol. 30(7), pp. 2676-2684.

Ullman, D., 1997, *The mechanical design process*. McGraw-Hill.

Ulrich, K. T., Eppinger, S. D., 2001, *Product design and development* (2nd ed.). Irwin: McGraw-Hill.

Ulrich, K. and K. Tung., 1991, Fundamentals of Product Modularity, *Proceedings of the 1991 ASME Design Technical Conferences* - Conference on Design Manufacture/Integration, Miami, Florida.

Uppalanchi, A., 2010, Application of Quality Function Deployment in new product and service development. *Masters Theses*, Missouri University of Science and Technology.



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Walls, J. G., Widmeyer, G. R., and El Sawy, O. A., 1992, Building an Information System Design Theory for Vigilant EIS, *Information Systems Research*, Vol. 3(1), pp. 36-59.

Widagdo, K.P., 2014, <http://bdiyogyakarta.kemenperin.go.id/news/post/2014/04/15/117/ikm-di-indonesia:-permasalahan-dan-strategi-pengembangannya>, *IKM di Indonesia: Permasalahan, dan Strategi Pengembangannya*, diakses pada tanggal 5 November 2016.

Yuktyanta, H. B., 1998, *Pengembangan Produk Baru sebagai Alat Strategies untuk Meraih Keunggulan Pasar yang Bersaing*. Universitas Indonesia, Jakarta.