

Daftar Pustaka

- [1] I. Sommerville, *Software engineering*, 9th ed. Pearson Education South Asia Pte Ltd, 2011.
- [2] S. Ramzan and N. Ikram, "Requirement change management process models: Activities, artifacts and roles," *10th IEEE International Multitopic Conference 2006, INMIC*, pp. 219–223, 2006, doi: 10.1109/INMIC.2006.358167.
- [3] M. Niazi *et al.*, "Challenges of project management in global software development: A client-vendor analysis," Dec. 01, 2016, *Elsevier B.V.* doi: 10.1016/j.infsof.2016.08.002.
- [4] R. Sangwan, M. Bass, N. Mullick, D. J. Paulish, and J. Kazmeier, *Global Software Development Handbook*. Auerbach Publications, 2006. doi: 10.1201/9781420013856.
- [5] J. Kroll, I. Richardson, J. L. N. Audy, and J. Fernandez, "Handoffs Management in Follow-the-Sun Software Projects: A Case Study," in *2014 47th Hawaii International Conference on System Sciences*, IEEE, Jan. 2014, pp. 331–339. doi: 10.1109/HICSS.2014.49.
- [6] S. K. Khatri, S. Malhotra, and P. Johri, "Use case point estimation technique in software development," in *2016 5th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)*, IEEE, Sep. 2016, pp. 123–128. doi: 10.1109/ICRITO.2016.7784938.
- [7] B. Shukla *et al.*, *2015 4th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions) : September 2-4, 2015 : venue, Amity University Uttar Pradesh, Noida, India.*
- [8] A. Mockus and J. Herbsleb, "Challenges of global software development," in *Proceedings Seventh International Software Metrics Symposium*, IEEE Comput. Soc, pp. 182–184. doi: 10.1109/METRIC.2001.915526.
- [9] A. Trendowicz and R. Jeffery, *Software Project Effort Estimation*. Cham: Springer International Publishing, 2014. doi: 10.1007/978-3-319-03629-8.
- [10] R. N. Charette, "Why Software Fails," *IEEE Spectr*, vol. 42, no. 9, pp. 42–49, 2005, doi: 10.1109/MSPEC.2005.1502528.

- [11] L. Lindstrom and R. Jeffries, “Extreme Programming and Agile Software Development Methodologies,” *Information Systems Management*, vol. 21, no. 3, pp. 41–52, Jun. 2004, doi: 10.1201/1078/44432.21.3.20040601/82476.7.
- [12] R. Britto, M. Usman, and E. Mendes, “Effort Estimation in Agile Global Software Development Context,” in *LNBIP*, vol. 199, 2014, pp. 182–192. doi: 10.1007/978-3-319-14358-3_15.
- [13] M. Fowler and J. Highsmith, “The Agile Manifesto.” Accessed: Apr. 17, 2024. [Online]. Available: www.martinfowler.com/articles/newMethodology.html
- [14] M. A. Langley, “Success Rates Rise 2017 - 9th Global Project Management Survey,” 2017.
- [15] J. A. Khan, S. U. R. Khan, T. A. Khan, and I. U. R. Khan, “An Amplified COCOMO-II Based Cost Estimation Model in Global Software Development Context,” *IEEE Access*, vol. 9, pp. 88602–88620, 2021, doi: 10.1109/ACCESS.2021.3089870.
- [16] K. Schwalbe, *Information Technology Project Management*, 9th ed. Cengage Learning, 2015.
- [17] I. Sommerville, *Software Engineering Tenth Edition*. 2016.
- [18] *A Guide to the Project Management Body of Knowledge - PMBOK Guide Seventh Edition*. Project Management Institute, Inc., 2021.
- [19] B. Flyvbjerg, N. Bruzelius, and W. Rothengatter, *Megaprojects and risk: An anatomy of ambition*. 2014. doi: 10.1017/CBO9781107050891.
- [20] *A Guide to the Project Management Body of Knowledge - PMBOK Guide Sixth Edition*, 6th ed. Project Management Institute, 2017.
- [21] B. Boehm, “Balancing agility and discipline: A guide for the perplexed,” in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 2004. doi: 10.1007/978-3-540-24675-6_1.
- [22] H. Kerzner, *Project Management: A Systems Approach to Planning, Scheduling, and Controlling 12th Edition*, 12th ed. John Wiley & Sons, 2017.
- [23] S. McConnell, *Software Estimation - Demystifying the Black Art*. Microsoft Pres., 2006.

- [24] A. L. I. Oliveira, P. L. Braga, R. M. F. Lima, and M. L. Cornélio, “GA-based method for feature selection and parameters optimization for machine learning regression applied to software effort estimation,” *Inf Softw Technol*, vol. 52, no. 11, pp. 1155–1166, Nov. 2010, doi: 10.1016/j.infsof.2010.05.009.
- [25] K. B. Vahid, D. N. A. Jawawi, S. Z. Mohd Hashim, and E. Khatibi, “A hybrid method for increasing the accuracy of software development effort estimation,” *Scientific Research and Essays*, vol. 6, no. 30, pp. 6382–6392, 2011, doi: 10.5897/SRE11.1736.
- [26] A. BaniMustafa, “Predicting Software Effort Estimation Using Machine Learning Techniques,” in *2018 8th International Conference on Computer Science and Information Technology (CSIT)*, IEEE, Jul. 2018, pp. 249–256. doi: 10.1109/CSIT.2018.8486222.
- [27] C. Sadun, “Scrum and Global Delivery: Pitfalls and Lessons Learned,” in *Agility Across Time and Space*, Berlin, Heidelberg: Springer Berlin Heidelberg, 2010, pp. 71–89. doi: 10.1007/978-3-642-12442-6_5.
- [28] R. Britto, E. Mendes, and J. Borstler, “An Empirical Investigation on Effort Estimation in Agile Global Software Development,” in *2015 IEEE 10th International Conference on Global Software Engineering*, IEEE, Jul. 2015, pp. 38–45. doi: 10.1109/ICGSE.2015.10.
- [29] A. Kasasra, R. Ferdiana, and S. Abu Ishaq Alfarozi, “Systematic Literature Review of Software Estimation in Global Software Development,” in *2024 International Conference on Information Technology and Computing (ICITCOM)*, IEEE, Aug. 2024, pp. 340–345. doi: 10.1109/ICITCOM62788.2024.10762359.
- [30] P. Sudarmaningtyas and R. Mohamed, “A Review Article on Software Effort Estimation in Agile Methodology,” *Pertanika J Sci Technol*, vol. 29, no. 2, Apr. 2021, doi: 10.47836/pjst.29.2.08.
- [31] K. A. Alsubhi, “Effort Estimation in Agile Software Development Using Deep Learning Model,” *International Journal of Advances in Computer Science and Technology*, vol. 8, no. 12, pp. 41–49, Dec. 2019, doi: 10.30534/ijacst/2019/018122019.
- [32] M. Usman, E. Mendes, and J. Börstler, “Effort estimation in agile software development,” in *Proceedings of the 19th International Conference on Evaluation and*

- [33] K. Moharreri, A. V. Sapre, J. Ramanathan, and R. Ramnath, “Cost-Effective Supervised Learning Models for Software Effort Estimation in Agile Environment,” in *2016 IEEE 40th Annual Computer Software and Applications Conference (COMPSAC)*, IEEE, Jun. 2016, pp. 135–140. doi: 10.1109/COMPSAC.2016.85.
- [34] A. Saini, L. Ahuja, and S. K. Khatri, “Effort Estimation of Agile Development using Fuzzy Logic,” in *2018 7th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)*, IEEE, Aug. 2018, pp. 779–783. doi: 10.1109/ICRITO.2018.8748381.
- [35] M. Humayun and C. Gang, “Estimating Effort in Global Software Development Projects Using Machine Learning Techniques,” *International Journal of Information and Education Technology*, pp. 208–211, 2012, doi: 10.7763/IJJET.2012.V2.111.
- [36] M. El Bajta, “Analogy-based software development effort estimation in global software development,” in *Proceedings - 2015 IEEE 10th International Conference on Global Software Engineering Workshops, ICGSEW 2015*, Institute of Electrical and Electronics Engineers Inc., Aug. 2015, pp. 51–54. doi: 10.1109/ICGSEW.2015.19.
- [37] S. Ramacharan and K. V. G. Rao, “Scheduling based cost estimation model: An effective empirical approach for GSD project,” in *2016 Thirteenth International Conference on Wireless and Optical Communications Networks (WOCN)*, IEEE, Jul. 2016, pp. 1–5. doi: 10.1109/WOCN.2016.7759881.
- [38] S. A. Leybourne, V. Kanabar, and R. D. H. Warburton, “Understanding and overcoming communications complexity in projects,” in *PMI® Global Congress 2010*, Washington: Project Management Institute, Oct. 2010. Accessed: Apr. 06, 2025. [Online]. Available: <https://www.pmi.org/learning/library/overcoming-communications-complexity-ambiguity-projects-6631>
- [39] S. Yasser Chadli, A. Idri, J. Nicolás Ros, J. Luis Fernández-Alemán, J. M. Carrillo de Gea, and A. Toval, “Software project management tools in global software development: a systematic mapping study”, doi: 10.1186/s40064-016-3670-7.

- [40] P. S. Taylor, D. Greer, P. Sage, G. Coleman, K. McDaid, and F. Keenan, “Do agile GSD experience reports help the practitioner?,” 2006. doi: 10.1145/1138506.1138526.
- [41] J. D. Herbsleb and D. Moitra, “Global software development,” *IEEE Softw*, vol. 18, no. 2, pp. 16–20, Apr. 2001, doi: 10.1109/52.914732.
- [42] R. Popli and N. Chauhan, “Cost and effort estimation in agile software development,” in *2014 International Conference on Reliability Optimization and Information Technology (ICROIT)*, IEEE, Feb. 2014, pp. 57–61. doi: 10.1109/ICROIT.2014.6798284.
- [43] A. Sharma and N. Chaudhary, “Linear Regression Model for Agile Software Development Effort Estimation,” in *2020 5th IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE)*, IEEE, Dec. 2020, pp. 1–4. doi: 10.1109/ICRAIE51050.2020.9358309.
- [44] E. R. Sanchez, H. C. Maceda, and E. V. Santacruz, “Software Effort Estimation for Agile Software Development Using a Strategy Based on k-Nearest Neighbors Algorithm,” in *2022 IEEE Mexican International Conference on Computer Science (ENC)*, IEEE, Aug. 2022, pp. 1–6. doi: 10.1109/ENC56672.2022.9882947.
- [45] R. Popli and N. Chauhan, “Estimation in agile environment using resistance factors,” in *2014 International Conference on Information Systems and Computer Networks (ISCON)*, IEEE, Mar. 2014, pp. 60–65. doi: 10.1109/ICISCON.2014.6965219.
- [46] H. Kumar Mittal, M. Arsalan, and P. Garg, “A Novel Deep Learning Model for Effective Story Point Estimation in Agile Software Development,” in *2024 International Conference on Emerging Innovations and Advanced Computing (INNOCOMP)*, IEEE, May 2024, pp. 404–410. doi: 10.1109/INNOCOMP63224.2024.00073.
- [47] J. M. Carrillo De Gea, J. Nicolás, J. L. Fernández-Alemán, A. Toval, and A. Idri, “Are the expected benefits of requirements reuse hampered by distance? An experiment,” *Springerplus*, doi: 10.1186/s40064-016-3782-0.
- [48] E. Conchuir, H. Holmstrom, P. Agerfalk, and B. Fitzgerald, “Exploring the Assumed Benefits of Global Software Development,” in *2006 IEEE International Conference on Global Software Engineering (ICGSE’06)*, IEEE, Oct. 2006, pp. 159–168. doi: 10.1109/ICGSE.2006.261229.

- [49] S. Sharma and G. Seshagiri, "Point/Counterpoint," *IEEE Softw*, vol. 23, no. 5, pp. 62–65, Sep. 2006, doi: 10.1109/MS.2006.138.
- [50] A. Alami, "Why Do Information Technology Projects Fail?," *Procedia Comput Sci*, vol. 100, pp. 62–71, 2016, doi: 10.1016/j.procs.2016.09.124.
- [51] E. Ó. Conchuir, P. J. Ågerfalk, H. H. Olsson, and B. Fitzgerald, "Global software development: Where are the benefits?," *Commun ACM*, vol. 52, no. 8, 2009, doi: 10.1145/1536616.1536648.
- [52] Patrick Keil, Daniel J. Paulish, and Raghvinder S. Sangwan, *Cost Estimation for Global Software Development*. Association for Computing Machinery, 2006.
- [53] R. Madachy, "Distributed Global Development Parametric Cost Modeling," in *Software Process Dynamics and Agility*, Berlin, Heidelberg: Springer Berlin Heidelberg, 2007, pp. 159–168. doi: 10.1007/978-3-540-72426-1_14.
- [54] M. Muhairat, S. Aldaajeh, and R. E. Al-Qutaish, "The Impact of Global Software Development Factors on Effort Estimation Methods," *European Journal of Scientific Research*, vol. 46, no. 2, pp. 221–232, 2010, Accessed: Jun. 30, 2024. [Online]. Available: <http://www.eurojournals.com/ejsr.htm>
- [55] M. Ahmed *et al.*, "A Hybrid Model for Improving Software Cost Estimation in Global Software Development," *Computers, Materials and Continua*, vol. 78, no. 1, pp. 1399–1422, 2024, doi: 10.32604/cmc.2023.046648.
- [56] R. Hoda, N. Salleh, and J. Grundy, "The Rise and Evolution of Agile Software Development," *IEEE Softw*, vol. 35, no. 5, pp. 58–63, Sep. 2018, doi: 10.1109/MS.2018.290111318.
- [57] H. Kerzner, *Project Management: A Systems Approach to Planning, Scheduling, and Controlling 10th Edition*, 10th ed. John Wiley & Sons, 2009.
- [58] Y. Mahmood, N. Kama, A. Azmi, A. S. Khan, and M. Ali, "Software effort estimation accuracy prediction of machine learning techniques: A systematic performance evaluation," *Softw Pract Exp*, vol. 52, no. 1, pp. 39–65, Jan. 2022, doi: 10.1002/SPE.3009.
- [59] B. W. Boehm, "COCOMO II Model Definition Manual," Version 2.1., Center for Software Engineering, USC, 1995.

- [60] M. Cohn, *Agile Estimating and Planning (Robert C. Martin Series)*. Pearson, 2005.
- [61] E. D. Filho, M. Perkusich, E. Dilorenzo, D. Santos, H. Almeida, and A. Perkusich, “Effort Estimation in Agile Software Development: an Updated Review,” Jul. 2018, pp. 496–547. doi: 10.18293/SEKE2018-003.
- [62] M. Cohn, *User Stories Applied: For Agile Software Development (Addison Wesley Signature Series)*, vol. 1, no. 0. Addison Wesley Longman Publishing Co., Inc., 2004.
- [63] B. Jeng, D. Yeh, D. Wang, S. Chu, and C. Chen, “A Specific Effort Estimation Method Using Function Point,” *Journal of Information Science and Engineering*, vol. 27, no. 4, pp. 1363–1376, 2011, doi: 10.6688/JISE.2011.27.4.11.
- [64] E. Ungan, N. Cizmeli, and O. Demirors, “Comparison of functional size based estimation and story points, based on effort estimation effectiveness in SCRUM projects,” in *Proceedings - 40th Euromicro Conference Series on Software Engineering and Advanced Applications, SEAA 2014*, Institute of Electrical and Electronics Engineers Inc., Oct. 2014, pp. 77–80. doi: 10.1109/SEAA.2014.83.
- [65] R. K. Mallidi and M. Sharma, “Study on Agile Story Point Estimation Techniques and Challenges,” *Int J Comput Appl*, vol. 174, no. 13, pp. 9–14, Jan. 2021, doi: 10.5120/ijca2021921014.
- [66] SUNIL KUMAR SUVVARI, DR. ROHINI SAWALKAR, and DR. VISHWANATH KARAD, “The Effect of Team Size and Dynamics on Agile Estimation,” *Innovative Research Thoughts*, vol. 9, no. 5, pp. 178–187, Dec. 2023, doi: 10.36676/irt.v9.i5.1478.
- [67] M. Fernandez-Diego, E. R. Mendez, F. Gonzalez-Ladron-De-Guevara, S. Abrahao, and E. Insfran, “An Update on Effort Estimation in Agile Software Development: A Systematic Literature Review,” *IEEE Access*, vol. 8, pp. 166768–166800, 2020, doi: 10.1109/ACCESS.2020.3021664.
- [68] A. Stellman, J. Greene, M. Bourgault, and R. Pellerin, *Applied Software Project Management*, 1st ed., vol. 2, no. 1. Sebastopol: O’Reilly Media, Inc, 2006.
- [69] B. W. Boehm, “Software Engineering Economics,” *IEEE Transactions on Software Engineering*, vol. SE-10, no. 1, pp. 4–21, Jan. 1984, doi: 10.1109/TSE.1984.5010193.
- [70] K. Schwaber and J. Sutherland, “The Scrum Guide,” in *Software in 30 Days*, Wiley, 2012, pp. 133–152. doi: 10.1002/9781119203278.app2.



- [71] D. G. Malcolm, J. H. Roseboom, C. E. Clark, and W. Fazar, "Application of a Technique for Research and Development Program Evaluation," *Oper Res*, vol. 7, no. 5, pp. 646–669, Oct. 1959, doi: 10.1287/opre.7.5.646.
- [72] B. A. Kitchenham, L. M. Pickard, S. G. MacDonell, and M. J. Shepperd, "What accuracy statistics really measure," *IEE Proceedings - Software*, vol. 148, no. 3, p. 81, 2001, doi: 10.1049/ip-sen:20010506.