DAFTAR PUSTAKA

Abdin, J., Sharma, A., Trivedi, R., & Wang, C. (2024). Financing constraints, intellectual property rights protection and incremental innovation: Evidence from transition economy firms. *Technological Forecasting and Social Change*, *198*, 122982. https://doi.org/10.1016/j.techfore.2023.122982

Abumousa, A. (2018). Firm innovation in the Asia and Pacific region: the role of governance environment, firm characteristics, and external finance. *International Journal of Export Marketing*, *2*(3), 180–209.

Adegboye, A. C., & Iweriebor, S. (2018). Does access to finance enhance SME innovation and productivity in Nigeria? Evidence from the World Bank Enterprise Survey. *African Development Review*, *30*(4), 449–461.

Aghion, P., Bergeaud, A., & Van Reenen, J. (2023). The impact of regulation on innovation. *American Economic Review*, *113*(11), 2894–2936.

Ahn, J. M., Lee, W., & Mortara, L. (2020). Do government R&D subsidies stimulate collaboration initiatives in private firms? *Technological Forecasting and Social Change*, *151*, 119840. https://doi.org/10.1016/j.techfore.2019.119840

Alam, A., Uddin, M., & Yazdifar, H. (2017). Financing behaviour of R&D investment in the emerging markets: the role of alliance and financial system. *R&D Management*, *49*(1), 21–32.

Alam, A., Uddin, M., & Yazdifar, H. (2019). Institutional determinants of R&D investment: Evidence from emerging markets. *Technological Forecasting and Social Change*, *138*, 34–44.

Alesina, A. F., & Zeira, J. (2006). *Technology and labor regulations*. National Bureau of Economic Research Cambridge, Mass., USA.

Allard, G., Martinez, C. A., & Williams, C. (2012). Political instability, pro-business market reforms and their impacts on national systems of innovation. *Research Policy*, *41*(3), 638–651. https://doi.org/10.1016/J.RESPOL.2011.12.005

Amin, M. (2021). *Does competition from informal firms impact R&D by formal SMEs? Evidence using firm-level survey data*. The World Bank.

Amirulloh, M., & Muchtar, H. N. (2024). Problems and strategies to maintain the existence of domestic registered patents in Indonesia to promote the economic growth. *The Journal of World Intellectual Property*, *27*(2), 296–313.

Anokhin, S., & Schulze, W. S. (2009). Entrepreneurship, innovation, and corruption. *Journal of Business Venturing*, *24*(5), 465–476. https://doi.org/10.1016/J.JBUSVENT.2008.06.001

Archibugi, D., & Filippetti, A. (2018). The retreat of public research and its adverse consequences on innovation. *Technological Forecasting and Social Change*, *127*, 97–111. https://doi.org/10.1016/j.techfore.2017.05.022

Armellini, F., Beaudry, C., & Kaminski, P. C. (2013). *Comparative analysis of public policies for innovation in the aerospace industries in Brazil and Canada*.

Aron, J. (2000). Growth and institutions: a review of the evidence. *The World Bank Research Observer*, *15*(1), 99–135.

Arshed, N., Hanif, N., Aziz, O., & Croteau, M. (2022). Exploring the potential of institutional quality in determining technological innovation. *Technology in Society*, *68*, 101859. https://doi.org/10.1016/j.techsoc.2021.101859

Atanassov, J., Julio, B., & Leng, T. (2015). The bright side of political uncertainty: The case of R&D. *Available at SSRN 2693605*.

Atkinson, R. (2012). Innovation economics: the race for global advantage. In *Practicing sustainability* (pp. 123–126). Springer.

Ayalew, M. M., Xianzhi, Z., Dinberu, Y. D., & Hailu, D. H. (2020). The Determinants of Firm's Innovation in Africa. *Journal of Industry, Competition and Trade*, *20*(3), 527–567. https://doi.org/10.1007/s10842-019-00313-4

Barbosa, N., & Faria, A. P. (2011). Innovation across Europe: How important are institutional differences? *Research Policy*, *40*(9), 1157–1169. https://doi.org/10.1016/j.respol.2011.05.017

Barge-Gil, A., & López, A. (2014). R&D determinants: Accounting for the differences between research and development. *Research Policy*, *43*(9), 1634–1648. https://doi.org/10.1016/J.RESPOL.2014.04.017

Baysinger, B. D., Kosnik, R. D., & Turk, T. A. (1991). Effects of board and ownership structure on corporate R&D strategy. *Academy of Management Journal*, *34*(1), 205–214.

Becker, B. (2015). Public R&D policies and private R&D investment: A survey of the empirical evidence. *Journal of Economic Surveys*, *29*(5), 917–942.

Belitz, H., & Lejpras, A. (2016). Financing patterns of R&D in small and medium-sized enterprises and the perception of innovation barriers in Germany. *Science and Public Policy*, *43*(2), 245–261. https://doi.org/10.1093/scipol/scv027

Bénassy-Quéré, A., Coupet, M., & Mayer, T. (2007). Institutional Determinants of Foreign Direct Investment. *The World Economy*, *30*(5), 764–782. https://doi.org/https://doi.org/10.1111/j.1467-9701.2007.01022.x

Bessler, W., & Bittelmeyer, C. (2008). Patents and the performance of technology firms: Evidence from initial public offerings in Germany. *Financial Markets and Portfolio Management*, *22*, 323–356.

Bianchini, S., Llerena, P., & Martino, R. (2019). The impact of R&D subsidies under different institutional frameworks. *Structural Change and Economic Dynamics*, *50*, 65–78. https://doi.org/10.1016/j.strueco.2019.04.002

Blind, K. (2012). The influence of regulations on innovation: A quantitative assessment for OECD countries. *Research Policy*, *41*(2), 391–400.

Boiko, K. (2022). R&D activity and firm performance: mapping the field. *Management Review Quarterly*, *72*(4), 1051–1087. https://doi.org/10.1007/s11301-021-00220-1

Boskin, M. J., & Lau, L. J. (1996). Contributions of R&D to economic growth. *Technology, R&D, and the Economy*, 75–113.

Bozeman, B., & Dietz, J. S. (2001). RESEARCH POLICY TRENDS. *Research and Innovation Policies in the New Global Economy: An International Comparative Analysis*, 47.

Breznitz, D. (2009). National institutions and the globalized political economy of technological change: An introduction. *Review of Policy Research*, *26*(1–2), 1–11. https://doi.org/10.1111/j.1541-1338.2008.00388.x

Brown, J. R., Martinsson, G., & Petersen, B. C. (2017). What promotes R&D? Comparative evidence from around the world. *Research Policy*, *46*(2), 447–462.

Buchanan, B. G., Le, Q. V., & Rishi, M. (2012). Foreign direct investment and institutional quality: Some empirical evidence. *International Review of Financial Analysis*, *21*, 81–89. https://doi.org/10.1016/j.irfa.2011.10.001

Cano-Kollmann, M., Hamilton III, R. D., & Mudambi, R. (2017). Public support for innovation and the openness of firms' innovation activities. *Industrial and Corporate Change*, *26*(3), 421–442.

Caraça, J., Lundvall, B. Å., & Mendonça, S. (2009). The changing role of science in the innovation process: From Queen to Cinderella? *Technological Forecasting and Social Change*, *76*(6), 861–867. https://doi.org/10.1016/J.TECHFORE.2008.08.003

Castellacci, F., Oguguo, P. C., & Freitas, I. M. B. (2022). Quality of pro-market national institutions and firms' decision to invest in R&D: evidence from developing and transition economies. *Eurasian Business Review*, *12*(1), 35–57. https://doi.org/10.1007/s40821-022-00202-7

Cette, G., Lopez, J., & Mairesse, J. (2017). Upstream product market regulations, ICT, R&D and productivity. *Review of Income and Wealth*, *63*, S68–S89.

Chapman, G., & Hewitt-Dundas, N. (2018). The effect of public support on senior manager attitudes to innovation. *Technovation*, *69*, 28–39. https://doi.org/10.1016/J.TECHNOVATION.2017.10.004

Chi, J. D., Su, X., Tang, Y., & Xu, B. (2020). Is language an economic institution? Evidence from R&D investment. *Journal of Corporate Finance*, *62*, 101578.

Chiang, C. C., & Mensah, Y. M. (2004). The Determinants of Investor Valuation of R&D Expenditure in the Software Industry. *Review of Quantitative Finance and Accounting*, *22*(4), 293–313. https://doi.org/10.1023/B:REQU.0000032600.07130.fc

Choi, Y. R., Yoshikawa, T., Zahra, S. A., & Han, B. H. (2014). Market-oriented institutional change and R&D investments: Do business groups enhance advantage? *Journal of World Business*, *49*(4), 466–475. https://doi.org/10.1016/J.JWB.2013.10.002

Coad, A., Segarra, A., & Teruel, M. (2016). Innovation and firm growth: Does firm age play a role? *Research Policy*, *45*(2), 387–400. https://doi.org/10.1016/j.respol.2015.10.015

Coad, A., & Vezzani, A. (2017). *Manufacturing the future: is the manufacturing sector a driver of R&D, exports and productivity growth?* (Issue 06/2017). European Commission, Joint Research Centre (JRC). https://hdl.handle.net/10419/202175

Coccia, M. (2012). Political economy of R&D to support the modern competitiveness of nations and determinants of economic optimization and inertia. *Technovation*, *32*(6), 370–379.

Cohen, W. M. (2010). Fifty years of empirical studies of innovative activity and performance. *Handbook of the Economics of Innovation*, *1*, 129–213.

Corchuelo, M. B., & Martínez-Ros, E. (2011). Are fiscal incentives for R&D effective? An empirical analysis for Spain. *UAM-Accenture Working Papers*, 1–34.

Crafts, N. (2006). Regulation and Productivity Performance. *Oxford Review of Economic Policy*, *22*(2), 186–202. https://doi.org/10.1093/oxrep/grj012

Curea, M., Ungureanu, I., & Mironiuc, M. (2023). Macroeconomic factors, liquidity issues and research and development investments: empirical evidence from the EU pharmaceutical industry. *Eastern Journal of European Studies*, *14*(1), 261–283. https://doi.org/10.47743/ejes-2023-0113

Czarnitzki, D., Hottenrott, H., & Thorwarth, S. (2011). Industrial research versus development investment: The implications of financial constraints. *Cambridge Journal of Economics*, *35*(3), 527–544. https://doi.org/10.1093/cje/beq038

Czarnitzki, D., & Licht, G. (2006). Additionality of public R&D grants in a transition economy: the case of Eastern Germany. *Economics of Transition*, *14*(1), 101–131.

Damuri, Y. R., Aswicahyono, H., & Christian, D. (2018). Innovation policy in Indonesia. *M. Ambashi, Innovation Policy in ASEAN*, 96–127.

Daude, C., & Stein, E. (2007). The Quality of Institutions and Foreign Direct Investment. *Economics & Politics*, *19*(3), 317–344. https://doi.org/https://doi.org/10.1111/j.1468-0343.2007.00318.x

Dechezleprêtre, A., Einiö, E., Martin, R., Nguyen, K.-T., & Van Reenen, J. (2016). *Do tax incentives for research increase firm innovation? An RD design for R&D*. National Bureau of Economic Research.

Dewi, I., Nu'man, H., Ruhaeni, N., & Heniarti, D. (2023). Local Working of Patents: a Comparative Study of Europe and Indonesia. *Problems of Legality*, *162*, 345–358.

Dincer, O. (2019). Does corruption slow down innovation? Evidence from a cointegrated panel of US states. *European Journal of Political Economy*, *56*, 1–10.

D'Ingiullo, D., & Evangelista, V. (2020). Institutional quality and innovation performance: evidence from Italy. *Regional Studies*, *54*(12), 1724–1736.

Dobler, C. (2011). *The impact of formal and informal institutions on economic growth: A case study on the MENA region*. Peter Lang International Academic Publishers.

Dumont, M. (2013). The impact of subsidies and fiscal incentives on corporate R&D expenditures in Belgium (2001-2009). *Reflets et Perspectives de La Vie Économique*, *52*(1), 69–91.

Dumont, M. (2017). Assessing the policy mix of public support to business R&D. *Research Policy*, *46*(10), 1851–1862. https://doi.org/10.1016/j.respol.2017.09.001

Dunyo, S. K., & Odei, S. A. (2023). Firm-level innovations in an emerging economy: do perceived policy instability and legal institutional conditions matter? *Sustainability*, *15*(2), 1570.

Durst, S., & Leyer, M. (2022). The influence of institutional conditions on firms' process innovation–evidence from firms based on a multi-country analysis. *The Bottom Line*, *35*(4), 161–184.

Dutta, S., Lanvin, B., Rivera León, L., & Wunsch-Vincent, S. (2023). *Global Innovation Index 2023: Innovation in the face of uncertainty.* WIPO.

Edquist, C. (2013). *Systems of innovation: technologies, institutions and organizations*. Routledge.

Égert, B. (2016). Regulation, institutions, and productivity: new macroeconomic evidence from OECD countries. *American Economic Review*, *106*(5), 109–113.

Ellimäki, P., Hurtado-Torres, N. E., & Cordón-Pozo, E. (2022). The impact of home and host country institutional development on multinationals' R&D intensity. *BRQ Business Research Quarterly*, 23409444221076496.

Eslamloueyan, K., & Jafari, M. (2019). Do better institutions offset the adverse effect of a financial crisis on investment? Evidence from East Asia. *Economic Modelling*, *79*, 154–172. https://doi.org/10.1016/J.ECONMOD.2018.10.011

Esteve-Pérez, S., & Rodríguez, D. (2013). The dynamics of exports and R&D in SMEs. *Small Business Economics*, *41*, 219–240.

Eurostat, & OECD. (2005). *The Measurement of Scientific and Technological Activities Proposed Guidelines for Collecting and Interpreting Technological Innovation Data Oslo Manual: Oslo Manual* (Third Edition). OECD publishing.

Evans, J. D. (1996). *Straightforward statistics for the behavioral sciences.* Thomson Brooks/Cole Publishing Co.

Evanschitzky, H., Eisend, M., Calantone, R. J., & Jiang, Y. (2012). Success Factors of Product Innovation: An Updated Meta-Analysis. *Journal of Product Innovation Management*, *29*(S1), 21–37. https://doi.org/10.1111/j.1540-5885.2012.00964.x

Fagerberg, J. (2005). *The Oxford handbook of innovation*. Oxford University Press.

Franco, C., Pieri, F., & Venturini, F. (2016). Product market regulation and innovation efficiency. *Journal of Productivity Analysis*, *45*, 299–315.

Ghosh, C., & He, F. (2015). Investor Protection, Investment Efficiency and Value: The Case of Cross-Listed Firms. *Financial Management*, *44*(3), 499–546. https://doi.org/https://doi.org/10.1111/fima.12076

Ghozali, I. (2006). *Aplikasi analisis multivariate dengan program SPSS*. Badan Penerbit Universitas Diponegoro.

Globerman, S., & Shapiro, D. (2003). Governance infrastructure and US foreign direct investment. *Journal of International Business Studies*, *34*(1), 19–39. https://doi.org/10.1057/palgrave.jibs.8400001

González, X., Jaumandreu, J., & Pazó, C. (2005). Barriers to innovation and subsidy effectiveness. *RAND Journal of Economics*, 930–950.

Guan, J., Xu, H., Huo, D., Hua, Y., & Wang, Y. (2021). Economic policy uncertainty and corporate innovation: Evidence from China. *Pacific-Basin Finance Journal*, *67*, 101542. https://doi.org/10.1016/J.PACFIN.2021.101542

Guceri, I., & Liu, L. (2019). Effectiveness of fiscal incentives for R&D: Quasi-experimental evidence. *American Economic Journal: Economic Policy*, *11*(1), 266–291.

Guellec, D., & Van Pottelsberghe De La Potterie, B. (2003). The impact of public R&D expenditure on business R&D. *Economics of Innovation and New Technology*, *12*(3), 225–243.

Gujarati, D. N., & Porter, D. C. (2009). *Basic econometrics*. McGraw-hill.

Guo, S., & Fraser, M. W. (2014). *Propensity score analysis: Statistical methods and applications* (Vol. 11). SAGE publications.

Hall, B., & Van Reenen, J. (2000). How effective are fiscal incentives for R&D? A review of the evidence. *Research Policy*, *29*(4–5), 449–469.

He, F., Ma, Y., & Zhang, X. (2020). How does economic policy uncertainty affect corporate Innovation?–Evidence from China listed companies. *International Review of Economics & Finance*, *67*, 225–239. https://doi.org/10.1016/J.IREF.2020.01.006

Henisz, W. J. (2000). The Institutional Environment for Economic Growth. *Economics & Politics*, *12*(1), 1–31. https://doi.org/10.1111/1468-0343.00066

Herrera, L., Muñoz-Doyague, M. F., & Nieto, M. (2010). Mobility of public researchers, scientific knowledge transfer, and the firm's innovation process. *Journal of Business Research*, *63*(5), 510–518. https://doi.org/10.1016/j.jbusres.2009.04.010

Hilbe, J. M. (2016). *Practical guide to logistic regression*. crc Press.

Hill, C. W. L., & Snell, S. A. (1989). Effects of ownership structure and control on corporate productivity. *Academy of Management Journal*, *32*(1), 25–46.

Hillier, D., Pindado, J., Queiroz, V. de, & Torre, C. de la. (2011). The impact of country-level corporate governance on research and development. *Journal of International Business Studies*, *42*, 76–98.

Hlioui, Z., Gabsi, M., & Omri, A. (2022). Informal competition effect on SMEs' innovation: do credit constraints matter? Evidence from Eastern European countries. *Sustainability*, *14*(21), 13874.

Ho, C. Y., Huang, S., Shi, H., & Wu, J. (2018). Financial deepening and innovation: The role of political institutions. *World Development*, *109*, 1–13. https://doi.org/10.1016/J.WORLDDEV.2018.02.022

Holmes, R. M., Miller, T., Hitt, M. A., & Salmador, M. P. (2011). The Interrelationships Among Informal Institutions, Formal Institutions, and Inward Foreign Direct Investment. *Journal of Management*, *39*(2), 531–566. https://doi.org/10.1177/0149206310393503

Hosmer, D. W. (2000). *Applied logistic regression: Vol. 2nd Edition*. John Wiley & Sons.

Hosono, K., Tomiyama, M., & Miyagawa, T. (2004). Corporate governance and research and development: evidence from Japan. *Economics of Innovation and New Technology*, *13*(2), 141–164.

Huda, N. (2020). Dampak Insentif Fiskal terhadap Pendanaan Riset dan Pengembangan di ASEAN-5 dan Empat Negara Utama Asia. *Jurnal Ekonomi Indonesia*, *9*(2), 165–174.

Hyytinen, A., & Toivanen, O. (2005). Do financial constraints hold back innovation and growth?: Evidence on the role of public policy. *Research Policy*, *34*(9), 1385–1403.

Iammarino, S. (2005). An evolutionary integrated view of regional systems of innovation: concepts, measures and historical perspectives. *European Planning Studies*, *13*(4), 497–519.

Iorio, R., & Segnana, M. L. (2022). Is paying bribes worthwhile? Corruption and innovation in middle-income countries. *Eurasian Business Review*, *12*(3), 475–504. https://doi.org/10.1007/s40821-022-00205-4

Jiao, H., Koo, C. K., & Cui, Y. (2015). Legal environment, government effectiveness and firms' innovation in China: examining the moderating influence of government ownership. *Technological Forecasting and Social Change*, *96*, 15–24.

Jose, M., & Sharma, R. (2021). Effectiveness of fiscal incentives for innovation: Evidence from meta-regression analysis. *Journal of Public Affairs*, *21*(1), e2146.

Judge, G. G., Griffiths, W. E., Hill, R. C., Lütkepohl, H., & Lee, T.-C. (1991). *The theory and practice of econometrics* (Vol. 49). John Wiley & Sons.

Jugend, D., Fiorini, P. D. C., Armellini, F., & Ferrari, A. G. (2020). Public support for innovation: A systematic review of the literature and implications for open innovation. *Technological Forecasting and Social Change*, *156*, 119985.

Kafouros, M., & Aliyev, M. (2016). Institutional development and firm profitability in transition economies. *Journal of World Business*, *51*(3), 369–378. https://doi.org/10.1016/J.JWB.2015.06.002

Kalnins, A. (2018). Multicollinearity: How common factors cause Type 1 errors in multivariate regression. *Strategic Management Journal*, *39*(8), 2362–2385.

Kärnä, A., Karlsson, J., Engberg, E., & Svensson, P. (2023). Political failure: a missing piece in innovation policy analysis. *Economics of Innovation and New Technology*, *32*(7), 1037–1068. https://doi.org/10.1080/10438599.2022.2070843

Kaufmann, D., Kraay, A., & Mastruzzi, M. (2012). *Governance matters VI: Aggregate and individual governance indicators, 1996-2006*.

Kemp, R. G. M., Folkeringa, M., De Jong, J. P. J., & Wubben, E. F. M. (2003). *Innovation and firm performance* (Issue H 200207). EIM Zoetermeer,, The Netherlands.

Khiari, M., & ben Rejeb, J. (2015). Determination of the regional impact on innovation with an ordinal logit and a multilevel analysis. *Procedia-Social and Behavioral Sciences*, *195*, 592–602.

Kleinknecht, A., Van Montfort, K., & Brouwer, E. (2002). The Non-Trivial Choice between Innovation Indicators. *Economics of Innovation and New Technology*, *11*(2), 109–121. https://doi.org/10.1080/10438590210899

Köhler, C., Laredo, P., & Rammer, C. (2012). *The impact and effectiveness of fiscal incentives for R&D*.

Krammer, S. M. S. (2009). Drivers of national innovation in transition: Evidence from a panel of Eastern European countries. *Research Policy*, *38*(5), 845–860. https://doi.org/10.1016/J.RESPOL.2009.01.022

Krammer, S. M. S. (2015). Do good institutions enhance the effect of technological spillovers on productivity? Comparative evidence from developed and transition economies. *Technological Forecasting and Social Change*, *94*, 133–154. https://doi.org/10.1016/J.TECHFORE.2014.09.002

Krammer, S. M. S., & Kafouros, M. I. (2022). Facing the heat: Political instability and firm new product innovation in sub-Saharan Africa. *Journal of Product Innovation Management*, *39*(5), 604–642.

Krasniqi, B., & Branch, D. (2020). Institutions and firm growth in a transitional and post-conflict economy of Kosovo. *Journal of Entrepreneurship in Emerging Economies*, *12*(2), 187–204. https://doi.org/10.1108/JEEE-05-2017-0034

La Porta, R., Lopez De Silanes, F., Shleifer, A., & Vishny, R. (1997). Legal Determinants of External Finance. *The Journal of Finance*, *52*(3), 1131–1150. https://doi.org/https://doi.org/10.1111/j.1540-6261.1997.tb02727.x

Lederman, D., & Maloney, W. F. (2003). R&D and development. *Available at SSRN 402480*.

Lee, C.-C., Wang, C.-W., & Ho, S.-J. (2020). Country governance, corruption, and the likelihood of firms' innovation. *Economic Modelling*, *92*, 326–338. https://doi.org/https://doi.org/10.1016/j.econmod.2020.01.013

Lee, P. M., & O'neill, H. M. (2003). Ownership structures and R&D investments of US and Japanese firms: Agency and stewardship perspectives. *Academy of Management Journal*, *46*(2), 212–225.

Lefebvre, L., Lefebvre, E., & Colin, D. (1991). Process innovation, productivity, and competitiveness in smaller manufacturing firms. *Canadian Journal of Administrative Sciences/Revue Canadienne Des Sciences de l'Administration*, *8*(1), 19–28.

Lewellyn, K. B., & Bao, S. R. (2015). R&D Investment in the Global Paper Products Industry: A Behavioral Theory of the Firm and National Culture Perspective. *Journal of International Management*, *21*(1), 1–17. https://doi.org/10.1016/J.INTMAN.2014.12.001

Li, J., & Kozhikode, R. K. (2009). Developing new innovation models: Shifts in the innovation landscapes in emerging economies and implications for global R&D management. *Journal of International Management*, *15*(3), 328–339. https://doi.org/10.1016/J.INTMAN.2008.12.005

Lokshin, B., & Mohnen, P. (2012). How effective are level-based R&D tax credits? Evidence from the Netherlands. *Applied Economics*, *44*(12), 1527–1538.

López Iturriaga, F. J., & López-Millán, E. J. (2017). Institutional framework, corporate ownership structure, and R&D investment: an international analysis. *R&D Management*, *47*(1), 141–157. https://doi.org/10.1111/radm.12204

Loveless, S. (1987). Political Economy of Research and Development: An Institutional Analysis. *Teaching Political Science: Politics in Perspective*, *14*(4), 184–190.

Luo, Y. (2005). An organizational perspective of corruption1. *Management and Organization Review*, *1*(1), 119–154.

Mahendra, E., Zuhdi, U., & Ratnawati, M. (2015). Determinants of Firm Innovation in Indonesia: The Role of Institutions and Access to Finance. *Economics and Finance of Indonesia*.

Mahmood, I., Chung, C.-N., & Mitchell, W. (2013). The evolving impact of combinatorial opportunities and exhaustion on innovation by business groups as market development increases: The case of Taiwan. *Management Science*, *59*(5), 1142–1161.

Mahoney, J., & Thelen, K. (2010). A theory of gradual institutional change. *Explaining Institutional Change: Ambiguity, Agency, and Power*, *1*(1).

Mairesse, J., & Mohnen, P. (2010). Using innovation surveys for econometric analysis. In *Handbook of the Economics of Innovation* (Vol. 2, pp. 1129–1155). Elsevier.

Masino, S. (2015). Macroeconomic volatility, institutional instability and the incentive to innovate. *Review of Development Economics*, *19*(1), 116–131.

Matsuo, T., Sirilli, G., & Gault, F. (2002). *Frascati Manual. Proposed Standard Practice for Surveys on Research and Experimental Development-2002*.

Meyer, K. E., Estrin, S., Bhaumik, S. K., & Peng, M. W. (2009). Institutions, resources, and entry strategies in emerging economies. *Strategic Management Journal*, *30*(1), 61–80. https://doi.org/https://doi.org/10.1002/smj.720

Moumbark, T., & Koudalo, Y. M. A. (2023). Firm self-financing, corruption, and the quality of tax administration in Africa. *Cogent Economics & Finance*, *11*(2), 2266241.

Moussir, C.-E., Saadi, A., Boukbech, R., & Liouaeddine, M. (2023). Exploring Determinants of Firm´s Innovation in Morocco: Evidence from the World Bank Enterprises Survey. *Review of Economics and Finance*, *21*, 323–329. https://doi.org/10.55365/1923.x2023.21.31

Müller, R., Drouin, N., & Sankaran, S. (2019). Modeling organizational project management. *Project Management Journal*, *50*(4), 499–513.

Nachrowi, D., & Usman, H. (2005). *Penggunaan teknik ekonometri*.

Negassi, S., & Sattin, J.-F. (2019). Evaluation of public R&D policy: A meta-regression analysis. *Technology and Investment*, *10*(1), 1–29.

Neves, A., Teixeira, A. A. C., & Silva, S. T. (2016). Exports-R&D investment complementarity and economic performance of firms located in Portugal. *Investigación Económica*, *75*(295), 125–156.

Nguyen, H., & Jaramillo, P. (2014). Institutions and firms' return to innovation: evidence from the world bank enterprise survey. *World Bank Policy Research Working Paper*, *6918*.

Nguyen, N. A., Doan, Q. H., Nguyen, N. M., & Tran-Nam, B. (2016). The impact of petty corruption on firm innovation in Vietnam. *Crime, Law and Social Change*, *65*(4), 377–394.

North, D. C. (1990). Institutions, institutional change and economic performance. In *Journal of Economic Perspectives* (Issue 1). Cambridge University Press.

Nurahmasari, R., Amirulloh, M., & Afriana, A. (2021). MEDIASI SEBAGAI KEWAJIBAN PENYELESAIAN SENGKETA PERDATA PELANGGARAN PATEN DI INDONESIA DEMI KEPASTIAN DAN

KEMANFAATAN HUKUM. *ACTA DIURNAL Jurnal Ilmu Hukum Kenotariatan*, *5*(1), 123–138.

OECD. (2010). *R&D Tax Incentives: Rationale, Design, Evaluation*.

OECD. (2015). *Frascati Manual 2015*. OECD. https://doi.org/10.1787/9789264239012-en

Pattit, J. M., Raj, S. P., & Wilemon, D. (2012). An institutional theory investigation of U.S. technology development trends since the mid-19th century. *Research Policy*, *41*(2), 306–318. https://doi.org/10.1016/J.RESPOL.2011.10.008

Pavitt, K., Robson, M., & Townsend, J. (1987). The Size Distribution of Innovating Firms in the UK: 1945-1983. *The Journal of Industrial Economics*, *35*(3), 297. https://doi.org/10.2307/2098636

Peia, O., & Romelli, D. (2022). Did financial frictions stifle R&D investment in Europe during the great recession? *Journal of International Money and Finance*, *120*, 102263.

Peng, M. W., Wang, D. Y. L., & Jiang, Y. (2008). An institution-based view of international business strategy: a focus on emerging economies. *Journal of International Business Studies*, *39*(5), 920–936. https://doi.org/10.1057/palgrave.jibs.8400377

Pérez, J. A. H., Yang, X., Bai, O., Flores, A., & Heredia, W. H. (2021). How does competition by informal firms affect the innovation in formal firms? In *Global Networks and Innovation in China* (pp. 53–70). Routledge.

Perez-Sebastian, F. (2015). Market failure, government inefficiency, and optimal R&D policy. *Economics Letters*, *128*, 43–47. https://doi.org/https://doi.org/10.1016/j.econlet.2015.01.012

Phylaktis, K. (2009). Emerging-Markets Finance: Overview of the special issue. *Journal of International Money and Finance*, *28*(4), 549–553. https://doi.org/10.1016/J.JIMONFIN.2009.01.001

Pindado, J., de Queiroz, V., & De la Torre, C. (2015). How do country-level governance characteristics impact the relationship between R & D and firm value? *R&D Management*, *45*(5), 515–526.

Priem, R. L., & Butler, J. E. (2001). Is the resource-based "view" a useful perspective for strategic management research? *Academy of Management Review*, *26*(1), 22–40. https://doi.org/10.5465/AMR.2001.4011928

Purwaningsih, E., & Ariyanti, E. R. N. (2021). Kebijakan Paten Melalui Penguatan Perlindungan Invensi Teknologi dan Peningkatan Kemampuan Inovasi. *Jurnal Surya Kencana Satu: Dinamika Masalah Hukum Dan Keadilan*, *12*(2), 163–172.

Raymond, L., & St-Pierre, J. (2010). R&D as a determinant of innovation in manufacturing SMEs: An attempt at empirical clarification. *Technovation*, *30*(1), 48–56. https://doi.org/10.1016/j.technovation.2009.05.005

Revilla, A. J., & Fernández, Z. (2012). The relation between firm size and R&D productivity in different technological regimes. *Technovation*, *32*(11), 609–623. https://doi.org/10.1016/J.TECHNOVATION.2012.06.004

Rodrik, D. (2000). Institutions for high-quality growth: what they are and how to acquire them. *Studies in Comparative International Development*, *35*, 3–31.

Rodrik, D., Subramanian, A., & Trebbi, F. (2004). Institutions Rule: The Primacy of Institutions Over Geography and Integration in Economic Development. *Journal of Economic Growth*, *9*(2), 131–165. https://doi.org/10.1023/B:JOEG.0000031425.72248.85

Scott, W. R. (2008). *Institutions and organizations: Ideas and interests*. Sage.

Seitz, M., & Watzinger, M. (2017). Contract enforcement and R&D investment. *Research Policy*, *46*(1), 182–195. https://doi.org/10.1016/J.RESPOL.2016.09.015

Setiawan, M., Indiastuti, R., Hidayat, A. K., & Rostiana, E. (2021). R&D and Industrial Concentration in the Indonesian Manufacturing Industry. *Journal of Open Innovation: Technology, Market, and Complexity*, *7*(2), 112. https://doi.org/10.3390/joitmc7020112

Siddiki, S. N., Carboni, J. L., Koski, C., & Sadiq, A. (2015). How policy rules shape the structure and performance of collaborative governance arrangements. *Public Administration Review*, *75*(4), 536–547.

Srholec, M. (2011). A multilevel analysis of innovation in developing countries*. *Industrial and Corporate Change*, *20*(6), 1539–1569. https://doi.org/10.1093/icc/dtr024

Suwardi. (2024). Legal Protection Of Patent Right Holders In Efforts To Develop Economic Aspects. *MARAS: Jurnal Penelitian Multidisiplin*, *2*(1), 459–473.

Syamhadi, S., Adiman, M. F., & Dewi, R. S. (2023). Analisis Penyelesaian Sengketa Secara Litigasi Paten terhadap Perkembangan Inovasi Teknologi di Indonesia. *Jurnal Hukum Dan HAM Wara Sains*, *2*(12), 1191–1200.

Szczygielski, K., Grabowski, W., Pamukcu, M. T., & Tandogan, V. S. (2017). Does government support for private innovation matter? Firm-level evidence from two catching-up countries. *Research Policy*, *46*(1), 219–237.

Teece, D. J. (2007). Explicating dynamic capabilities: the nature and microfoundations of (sustainable) enterprise performance. *Strategic Management Journal*, *28*(13), 1319–1350. https://doi.org/https://doi.org/10.1002/smj.640

Thomson, R., & Jensen, P. (2013). The effects of government subsidies on business R&D employment: Evidence from OECD countries. *National Tax Journal*, *66*(2), 281–309.

Ulku, H. (2007). R&D, innovation, and growth: evidence from four manufacturing sectors in OECD countries. *Oxford Economic Papers*, *59*(3), 513–535.

Van Phan, P., & O'Brien, M. (2019). Multidimensional Wellbeing Inequality in a Developing Country: A Case Study of Vietnam. *Social Indicators Research*, *145*(1), 157–183. https://doi.org/10.1007/s11205-019-02104-0

Van Waarden, F. (2001). Institutions and innovation: The legal environment of innovating firms. *Organization Studies*, *22*(5), 765–795.

Varsakelis, N. C. (2006). Education, political institutions and innovative activity: A cross-country empirical investigation. *Research Policy*, *35*(7), 1083–1090. https://doi.org/10.1016/J.RESPOL.2006.06.002

Veracierto, M. (2008). Corruption and innovation. *Economic Perspectives*, *32*(1).

Vlachos, V. (2022). The effect of institutions on R&D investment: the case of four mediterranean euro area states. *Journal of Applied Accounting Research*, *23*(4), 788–805.

Waguespack, D. M., Birnir, J. K., & Schroeder, J. (2005). Technological development and political stability: Patenting in Latin America and the Caribbean. *Research Policy*, *34*(10), 1570–1590. https://doi.org/10.1016/J.RESPOL.2005.07.006

Wang, E. (2010). Determinants of R&D investment: The Extreme-Bounds-Analysis approach applied to 26 OECD countries. *Research Policy*, *39*(1), 103–116. https://doi.org/10.1016/J.RESPOL.2009.11.010

Wang, Yi, J., Kafouros, M., & Yan, Y. (2015). Under what institutional conditions do business groups enhance innovation performance? *Journal of Business Research*, *68*(3), 694–702. https://doi.org/10.1016/J.JBUSRES.2014.08.002

Weber, M., Hemmelskamp, J., & Weber, M. (2005). *Towards environmental innovation systems*. Springer.

Wendy, C., & Soskice, D. (2006). *Macroeconomics: Imperfections, Institutions & Policies*. Oxford et al.

Wu, J., Wang, C., Hong, J., Piperopoulos, P., & Zhuo, S. (2016). Internationalization and innovation performance of emerging market enterprises: The role of host-country institutional development. *Journal of World Business*, *51*(2), 251–263. https://doi.org/https://doi.org/10.1016/j.jwb.2015.09.002

Wu, J., Zuidema, C., & de Roo, G. (2022). Collaborative efforts on energy transition in urban China: Institutional enabling and constraining conditions. *Renewable and Sustainable Energy Reviews*, *168*, 112873. https://doi.org/10.1016/J.RSER.2022.112873

Xiao, G. (2013). Legal shareholder protection and corporate R&D investment. *Journal of Corporate Finance*, *23*, 240–266. https://doi.org/10.1016/J.JCORPFIN.2013.08.009

Xu, G., & Yano, G. (2017). How does anti-corruption affect corporate innovation? Evidence from recent anti-corruption efforts in China. *Journal of Comparative Economics*, *45*(3), 498–519.

Yi, J., Wang, C., & Kafouros, M. (2013). The effects of innovative capabilities on exporting: Do institutional forces matter? *International Business Review*, *22*(2), 392–406. https://doi.org/https://doi.org/10.1016/j.ibusrev.2012.05.006

Yigitcanlar, T., Sabatini-Marques, J., da-Costa, E. M., Kamruzzaman, M., & Ioppolo, G. (2019). Stimulating technological innovation through incentives: Perceptions of Australian and Brazilian firms. *Technological Forecasting and Social Change*, *146*, 403–412. https://doi.org/10.1016/J.TECHFORE.2017.05.039

Zemtsov, S. P., & Baburin, V. L. (2016). Does economic-geographical position affect innovation processes in Russian regions? *Geography, Environment, Sustainability*, *9*(4), 14–32.