

BAB VI

KESIMPULAN

6.1 Kesimpulan

Penelitian ini berhasil mengajukan model empiris alternatif untuk memprediksi niat pedagang dalam mengadopsi QRIS sebagai pembayaran seluler menggunakan kerangka MTAM dengan menambahkan faktor-faktor yang relevan. Penelitian ini mengungkapkan bahwa faktor yang paling signifikan mempengaruhi secara positif niat pedagang adalah kebergunaan (*Mobile Usefulness*) dan pengaruh sosial (*Social Influence*), sedangkan faktor yang paling signifikan mempengaruhi secara negatif niat pedagang adalah inersia (*Inertia*). Menariknya faktor-faktor seperti kemudahan penggunaan (*Mobile Ease of Use*), keunggulan relatif (*Relative Advantage*) dan biaya (*Perceived Cost*) tidak memiliki pengaruh terhadap niat pedagang untuk menggunakan atau tidak menggunakan QRIS sebagai metode pembayaran digital. Selain itu berdasarkan hasil dari penelitian ini terdapat beberapa saran maupun rekomendasi yang dapat dimanfaatkan oleh Dinas Koperasi dan UMKM DIY guna meningkatkan adopsi dan penerimaan QRIS di kalangan pedagang yang dapat dilihat pada Tabel 5.19.

Hasil korelasi profil responden menunjukkan bahwa meskipun kekuatannya di temukan lemah namun semakin tua usia responden, semakin rendah persepsi mereka terhadap kemudahan penggunaan (*Mobile Ease of Use*), biaya (*Perceived Cost*), dan niat untuk menggunakan (*Behavioral Intention*) QRIS. Sementara itu, tingkat pendidikan menunjukkan bahwa semakin tinggi pendidikan seseorang, semakin positif persepsi mereka terhadap kebergunaan (*Mobile Usefulness*), kemudahan penggunaan (*Mobile Ease of Use*), serta kecenderungan untuk lebih proaktif terhadap perubahan tanpa terlalu memperhatikan opini atau persepsi orang lain (*Social Influence*) meskipun kekuatannya di temukan lemah dan hasil pengujian faktor moderasi menunjukkan bahwa pengaruh sosial (*Social Influence*) memiliki dampak yang lebih besar pada laki-laki dibandingkan perempuan dalam mengambil keputusan untuk mengadopsi QRIS sebagai metode pembayaran digital.

6.2 Saran

Salah satu keterbatasan dalam penelitian ini adalah penggunaan MTAM sebagai kerangka teori, yang hanya dapat mengevaluasi pedagang yang sudah mengadopsi QRIS, sehingga sulit untuk mengukur niat pedagang yang belum pernah menggunakannya. Oleh karena itu, penelitian selanjutnya disarankan untuk menggunakan teori alternatif yang dapat menangkap respons dari pedagang yang belum mengadopsi QRIS. Selain itu, disarankan untuk memasukkan edukasi sebagai faktor moderasi, mengingat hasil korelasi profil responden dalam penelitian ini menunjukkan bahwa tingkat pendidikan berpotensi mempengaruhi penerimaan teknologi. Keterbatasan lainnya adalah ukuran sampel yang relatif kecil dan hanya mencakup wilayah provinsi Daerah Istimewa Yogyakarta, sehingga hasil penelitian ini belum dapat digeneralisasikan ke wilayah lain di Indonesia. Untuk itu, studi selanjutnya dapat dilakukan dengan pendekatan lintas budaya dan diterapkan di wilayah geografis lain yang memiliki karakteristik budaya dan masyarakat yang serupa.

DAFTAR PUSTAKA

- Ab Hamid, M.R., Sami, W. and Mohmad Sidek, M.H., 2017. Discriminant Validity Assessment: Use of Fornell & Larcker criterion versus HTMT Criterion. In: *Journal of Physics: Conference Series*. Institute of Physics Publishing. <https://doi.org/10.1088/1742-6596/890/1/012163>.
- Agarwal, S., Qian, W., Ren, Y., Tsai, H.-T., Yeung, B., Chen, L., D'acunto, F., Gianinazzi, V., Higgins, S., Huang, Y., Jørring, A., Mezzanotti, F., Reeb, D., Rossi, A., Sulaeman, J., Weber, M. and Yang, L., 2022. *The Real Impact of FinTech: Evidence from Mobile Payment Technology* * *The Real Impact of FinTech: Evidence from Mobile Payment Technology*.
- Anggarini, D.T., n.d. *Application of Quick Response Code Indonesian as a Payment Tool in Digitizing MSMEs*.
- Arli, D. and Bakpayev, M., 2023. Exploring the role of innovation attributes on mobile payment adoption. *Journal of Consumer Marketing*, 40(7), pp.826–841. <https://doi.org/10.1108/JCM-04-2021-4630>.
- Ashoer, M., Jebarajakirthy, C., Lim, X.-J., Mas'ud, M. and Sahabuddin, Z.A., 2024. Mobile fintech, digital financial inclusion, and gender gap at the bottom of the pyramid: An extension of mobile technology acceptance model. *Procedia Computer Science*, [online] 234, pp.1253–1260. <https://doi.org/10.1016/j.procs.2024.03.122>.
- ASPI, 2024. *Statistik QRIS*. [online] Available at: <<https://www.aspi-indonesia.or.id/statistik-qris/>> [Accessed 13 June 2024].
- Azali, K., 2016. Cashless in Indonesia: Gelling Mobile E-frictions? RESEARCH NOTES Cashless in Indonesia Gelling Mobile E-frictions? *Source: Journal of Southeast Asian Economies*, 33(3), pp.364–86. <https://doi.org/10.1355/ae33-3e>.
- Bank Indonesia, 2019. *Bank Indonesia: Menavigasi Sistem Pembayaran Nasional di Era Digital BANK INDONESIA*. [online] Available at: <www.bi.go.id>.
- Bank Indonesia, 2024a. *Bahan Sosialisasi QR Code Indonesian Standard (QRIS)*.
- Bank Indonesia, 2024b. *BI 21/18/PADG/2019*, 2024. [online] Available at: <https://www.bi.go.id/id/publikasi/peraturan/Pages/padg_211819.aspx> [Accessed 3 May 2024].
- Bank Indonesia, 2024c. *Kanal dan Layanan*. [online] Available at: <<https://www.bi.go.id/QRIS/default.aspx>> [Accessed 6 April 2024].
- Bank Indonesia, 2024d. *MDR QRIS Bagi Merchant: Kategorisasi dan Simulasi*. [online] Available at: <<https://www.bi.go.id/id/publikasi/ruang-media/cerita-bi/Pages/mdr-qris.aspx>> [Accessed 6 April 2024].
- Bank Indonesia, 2024e. *Peraturan Anggota Dewan Gubernur Nomor 24/I/PADG/2022 tanggal 25 Februari 2022 tentang Perubahan Kedua atas Peraturan Anggota Dewan Gubernur Nomor 21/18/PADG/2019 tentang Implementasi Standar Nasional Quick Response Code untuk Pembayaran*.

- [online] Available at:
https://www.bi.go.id/id/publikasi/peraturan/Pages/PADG_240122.aspx
[Accessed 9 June 2024].
- Behera, R.K., Bala, P.K. and Rana, N.P., 2023. Assessing factors influencing consumers' non-adoption intention: exploring the dark sides of mobile payment. *Information Technology and People*, 36(7), pp.2941–2976. <https://doi.org/10.1108/ITP-03-2022-0223>.
- Bielby, W.T. and Hauser, R.M., 1977. *Structural Equation Models*. [online] Source: Annual Review of Sociology, Available at:
<https://www.jstor.org/stable/2945933>.
- BPK, 2024. *UU No. 20 Tahun 2008*. [online] Available at:
<https://peraturan.bpk.go.id/Details/39653/uu-no-20-tahun-2008>
[Accessed 15 November 2024].
- Bradford, T., Hayashi, F. and Toh, Y.L., 2019. *Developments of QR Code-Based Mobile Payments in East Asia*.
- Cao, X., Yu, L., Liu, Z., Gong, M. and Adeel, L., 2018. Understanding mobile payment users' continuance intention: a trust transfer perspective. *Internet Research*, 28(2), pp.456–476. <https://doi.org/10.1108/IntR-11-2016-0359>.
- Cham, T.H., Cheah, J.H., Cheng, B.L. and Lim, X.J., 2022. I Am too old for this! Barriers contributing to the non-adoption of mobile payment. *International Journal of Bank Marketing*, 40(5), pp.1017–1050. <https://doi.org/10.1108/IJBM-06-2021-0283>.
- Chang, V., Chen, W., Xu, Q. and Xiong, C., 2021. Towards the Customers' Intention to Use QR Codes in Mobile Payments. *Journal of Global Information Management*, 29(6). <https://doi.org/10.4018/JGIM.20211101.0a37>.
- Chittur, M., 2009. *Overview of the Technology Acceptance Model: Origins, Developments and Future Directions*. [online] Available at:
http://aisel.aisnet.org/sprouts_all.
- CNBC, 2024. *LinkAja Diluncurkan, Platform QR Code Bank BUMN Dimatikan?* [online] Available at:
<https://www.cnbcindonesia.com/tech/20190204131624-37-53776/linkaja-diluncurkan-platform-qr-code-bank-bumn-dimatikan>
[Accessed 2 May 2024].
- Comrey, A.L., 1985. A Method for Removing Outliers to Improve Factor Analytic Results. *Multivariate Behavioral Research*, 20(3), pp.273–281. https://doi.org/10.1207/s15327906mbr2003_3.
- Davis F and Venkatesh V, 1996. *A critical assessment of potential measurement biases in the technology acceptance model: three experiments*. *Int. J. Human-Computer Studies*, .
- Davis, F.D., 1989a. A technology acceptance model for empirically testing new end-user information systems: theory and results. Doctoral dissertation. *MIT Sloan School of Management, Cambridge, MA*.

- Davis, F.D., 1989b. Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly: Management Information Systems*, 13(3), pp.319–339. <https://doi.org/10.2307/249008>.
- Davis, F.D., 1991. User acceptance of information technology - system characteristics, user perceptions and behavioral impacts.
- Davis, F.D., Bagozzi, R.P. and Warshaw, P.R., 1989. *User Acceptance of Computer Technology: A Comparison of Two Theoretical Models*. [online] Source: *Management Science*, Available at: <<https://www.jstor.org/stable/2632151?seq=1&cid=pdf->>>.
- Decoster, J. and Claypool, H.M., 2004. *Data Analysis in SPSS*. [online] Available at: <<http://www.stat-help.com/notes.html>>.
- DENSO WAVE, 2024a. *History of QR Code*. [online] Available at: <<https://www.qrcode.com/en/history/>> [Accessed 30 April 2024].
- DENSO WAVE, 2024b. *Information capacity and versions of the QR Code*. [online] Available at: <<https://www.qrcode.com/en/about/version.html>> [Accessed 30 April 2024].
- DENSO WAVE, 2024c. *QR Code Standardization DENSO*. [online] Available at: <<https://www.qrcode.com/en/about/standards.html>> [Accessed 30 April 2024].
- Eren, B.A., 2024. QR code m-payment from a customer experience perspective. *Journal of Financial Services Marketing*, 29(1), pp.106–121. <https://doi.org/10.1057/s41264-022-00186-5>.
- Eriksson, N., Gökhan, A. and Stenius, M., 2021. A qualitative study of consumer resistance to mobile payments for in-store purchases. In: *Procedia Computer Science*. Elsevier B.V. pp.634–641. <https://doi.org/10.1016/j.procs.2021.01.212>.
- Finansial.Bisnis, 2024. *Dana Luncurkan Aplikasi Andalkan QR Code*. [online] Available at: <<https://finansial.bisnis.com/read/20181231/89/874328/dana-luncurkan-aplikasi-andalkan-qr-code>> [Accessed 2 May 2024].
- Fishbein, M. and Ajzen, I., 1975. Belief, Attitude, Intention, and Behavior: An Introduction to Theory and Research. *Addison Wesley, Reading, MA*.
- Flavian, C., Guinaliu, M. and Lu, Y., 2020. Mobile payments adoption – introducing mindfulness to better understand consumer behavior. *International Journal of Bank Marketing*, 38(7), pp.1575–1599. <https://doi.org/10.1108/IJBM-01-2020-0039>.
- Gong, X., Zhang, K.Z.K., Chen, C., Cheung, C.M.K. and Lee, M.K.O., 2020. Transition from web to mobile payment services: The triple effects of status quo inertia. *International Journal of Information Management*, 50, pp.310–324. <https://doi.org/10.1016/j.ijinfomgt.2019.08.006>.
- H Pontoh, M.A., Worang, F.G., Tumewu, F.J., Andriani Halimah Pontoh, M., Worang, F.G. and Tumewu, F.J., 2022. THE INFLUENCE OF PERCEIVED EASE OF USE, PERCEIVED RISK AND CONSUMER TRUST

- TOWARDS MERCHANT INTENTION IN USING QRIS AS A DIGITAL PAYMENT METHOD. 10(3), pp.904–913.
- Handarkho, Y.D. and Harjoseputro, Y., 2020. Intention to adopt mobile payment in physical stores: Individual switching behavior perspective based on Push–Pull–Mooring (PPM) theory. *Journal of Enterprise Information Management*, 33(2), pp.285–308. <https://doi.org/10.1108/JEIM-06-2019-0179>.
- Hayashi, F. and Bradford, T., n.d. *Mobile Payments: Merchants' Perspectives*. [online] Available at: <www.KansasCityFed.org>.
- Hsieh, P.J., 2021. Understanding medical consumers' intentions to switch from cash payment to medical mobile payment: A perspective of technology migration. *Technological Forecasting and Social Change*, 173. <https://doi.org/10.1016/j.techfore.2021.121074>.
- Hung, S.W., Cheng, M.J. and Tung, Y.J., 2024. Following the herd? An empirical investigation into the adoption of mobile payment systems. *International Journal of Bank Marketing*. <https://doi.org/10.1108/IJBM-03-2023-0195>.
- Jawad, A.I., Parvin, T. and Hosain, M.S., 2022. Intention to adopt mobile-based online payment platforms in three Asian countries: an application of the extended Technology Acceptance Model. *Journal of Contemporary Marketing Science*, 5(1), pp.92–113. <https://doi.org/10.1108/jcmars-08-2021-0030>.
- Jean Pierre, S. and Mombeuil, C., 2023. Factors affecting merchants' acceptance of P2P m-payments: a multigroup moderating effect of gender, age, and experience. *International Journal of Bank Marketing*, 41(7), pp.1919–1944. <https://doi.org/10.1108/IJBM-04-2023-0230>.
- Jia Loke, Y., 2007. *Determinants of Merchant Participation in Credit Card Payment Schemes*. [online] Available at: <<http://www.visa>>.
- Kaarthik, K., Manibharathi, T. and Rakshith, D., 2022. QR Code based Shopping System. In: *Proceedings - International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2022*. Institute of Electrical and Electronics Engineers Inc. pp.1005–1010. <https://doi.org/10.1109/ICAAIC53929.2022.9792915>.
- Kline, R.B., 1998. Software Review: *Software Programs for Structural Equation Modeling: Amos, EQS, and LISREL*. *Journal of Psychoeducational Assessment*, <https://doi.org/10.1177/073428299801600407>.
- Kline, R.B., 2016. *Principles and Practice of Structural Equation Modeling*.
- Kontan, 2024. *Ovo dengan Cepat Perluas Jangkauan QR Code ke 9.000 Usaha Kecil Menengah di Seluruh Indonesia*. [online] Available at: <<https://pressrelease.kontan.co.id/release/ovo-dengan-cepat-perluas-jangkauan-qr-code-ke-9000-usaha-kecil-menengah-di-seluruh-indonesia?page=all>> [Accessed 2 May 2024].
- Kumar, V., Nim, N. and Agarwal, A., 2021. Platform-based mobile payments adoption in emerging and developed countries: Role of country-level

- heterogeneity and network effects. *Journal of International Business Studies*, 52(8), pp.1529–1558. <https://doi.org/10.1057/s41267-020-00346-6>.
- Kuo, R.Z., 2020. Why do people switch mobile payment service platforms? An empirical study in Taiwan. *Technology in Society*, 62. <https://doi.org/10.1016/j.techsoc.2020.101312>.
- Lee, Y.-H., Hsieh, Y.-C. and Hsu, C.-N., 2011. International Forum of Educational Technology & Society Adding Innovation Diffusion Theory to the Technology Acceptance Model: Supporting Employees' Intentions to use E-Learning Systems. *Source: Journal of Educational Technology & Society*, 14(4), pp.124–137. <https://doi.org/10.2307/jeductechsoci.14.4.124>.
- Lestari, M.I., 2023. Kesediaan Micro Merchants Membayar Biaya Merchant Discount Rate dan Biaya Settlement QRIS. *InFestasi*, 19(1), pp.39–50. <https://doi.org/10.21107/infestasi.v19i1.19695>.
- Lin, K.Y., Wang, Y.T. and Huang, T.K., 2020. Exploring the antecedents of mobile payment service usage: Perspectives based on cost–benefit theory, perceived value, and social influences. *Online Information Review*, 44(1), pp.299–318. <https://doi.org/10.1108/OIR-05-2018-0175>.
- Lisana, L., 2020. Factors influencing the adoption of mobile payment systems in Indonesia. *International Journal of Web Information Systems*, 17(3). <https://doi.org/10.1108/IJWIS-01-2021-0004>.
- Lisana, L., 2024. Understanding the key drivers in using mobile payment among Generation Z. *Journal of Science and Technology Policy Management*, 15(1), pp.122–141. <https://doi.org/10.1108/JSTPM-08-2021-0118>.
- Lisana, L. and Handarkho, Y.D., 2024. The effects of environmental factors on user's personal traits related to mobile payment adoption: a case study of Indonesia. *Global Knowledge, Memory and Communication*. <https://doi.org/10.1108/GKMC-02-2023-0046>.
- Listiawati, R. and Vidyasari, R., 2022a. QRIS Efficiency in Improving Digital Payment Transaction Services for Culinary Micro-Small and Medium Enterprises in Depok City. [online] 3(2), pp.67–73. Available at: <<http://iorajournal.org/idx.php/orics/index>>.
- Listiawati, R. and Vidyasari, R., 2022b. QRIS Efficiency in Improving Digital Payment Transaction Services for Culinary Micro-Small and Medium Enterprises in Depok City. [online] 3(2), pp.67–73. Available at: <<http://iorajournal.org/idx.php/orics/index>>.
- Lonardi, H. and Legowo, N., 2021. *Analysis of Factors Affecting Use Behavior of QRIS Payment System in DKI Jakarta*. *Turkish Journal of Computer and Mathematics Education*
-
- 3709 Research Article, .
- Mallat, N., 2007. Exploring consumer adoption of mobile payments - A qualitative study. *Journal of Strategic Information Systems*, 16(4), pp.413–432. <https://doi.org/10.1016/j.jsis.2007.08.001>.

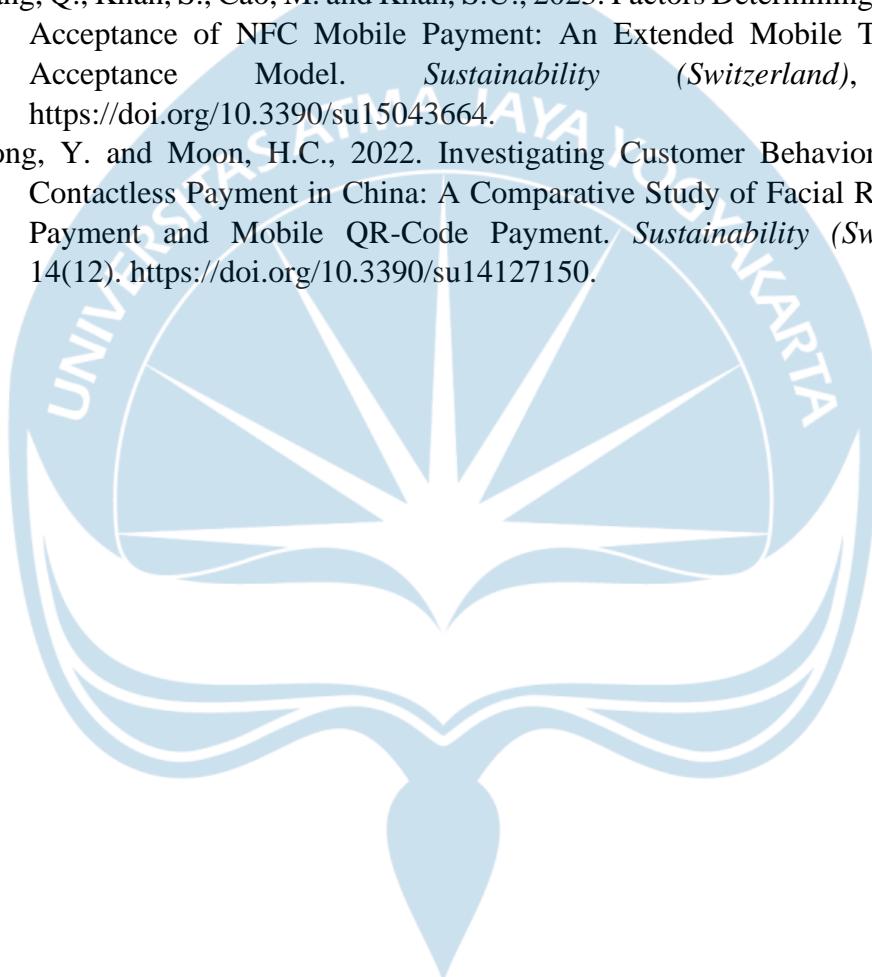
- Mallat, N., Virpi, & and Tuunainen, K., 2005. *Merchant Adoption of Mobile Payment Systems*.
- Mallat and Tuunainen, 2008. Exploring Merchant Adoption of Mobile Payment Systems: An Empirical Study. *e-Service Journal*, 6(2), p.24. <https://doi.org/10.2979/esj.2008.6.2.24>.
- Marangunić, N. and Granić, A., 2015. Technology acceptance model: a literature review from 1986 to 2013. *Universal Access in the Information Society*, 14(1), pp.81–95. <https://doi.org/10.1007/s10209-014-0348-1>.
- Mathieson, K., 1991. *Predicting User Intentions: Comparing the Technology Acceptance Model with the Theory of Planned Behavior*. [online] Research, Available at: <<https://www.jstor.org/stable/23010882?seq=1&cid=pdf->>
- Mishra, A. and Mathuria, M., 2017. A Review on QR Code. *International Journal of Computer Applications*, 164(9), pp.17–19. <https://doi.org/10.5120/ijca2017913739>.
- Moghavvemi, S., Mei, T.X., Phoong, S.W. and Phoong, S.Y., 2021. Drivers and barriers of mobile payment adoption: Malaysian merchants' perspective. *Journal of Retailing and Consumer Services*, 59. <https://doi.org/10.1016/j.jretconser.2020.102364>.
- Mukhopadhyay, S. and Upadhyay, P., 2022. Institutional intervention in technology innovation: the struggle to increase mobile payment adoption. *Digital Policy, Regulation and Governance*, 24(1), pp.74–92. <https://doi.org/10.1108/DPRG-01-2021-0002>.
- Nada, D.Q., Suryaningsum, S. and Negara, H.K.S., 2021. Digitalization of the Quick Response Indonesian Standard (QRIS) Payment System for MSME Development. *Journal of International Conference Proceedings*, 4(3). <https://doi.org/10.32535/jicp.v4i3.1358>.
- Nandru, P., Senthil, S.K. and Chendragiri, M., 2023a. Adoption intention of mobile QR code payment system among marginalized street vendors: an empirical investigation from an emerging economy. *Journal of Science and Technology Policy Management*. <https://doi.org/10.1108/JSTPM-03-2023-0035>.
- Nandru, P., Senthil, S.K. and Chendragiri, M., 2023b. Adoption intention of mobile QR code payment system among marginalized street vendors: an empirical investigation from an emerging economy. *Journal of Science and Technology Policy Management*. <https://doi.org/10.1108/JSTPM-03-2023-0035>.
- Neetij and Bikash Thapa, R., n.d. *A STUDY ON PURPOSIVE SAMPLING METHOD IN RESEARCH*. [online] Available at: <<http://study.com/academy/lesson/what-is-sampling-in-research-definition-methods-importance.html,>>
- Ojo, A.O., Fawehinmi, O., Tan, C.N.L. and Ojo, O.T., 2024. Merchant adoption intention of mobile payment platforms in Malaysia. *Journal of Systems and Information Technology*, 26(1), pp.31–50. <https://doi.org/10.1108/JSIT-08-2022-0200>.

- Ooi, K.B. and Tan, G.W.H., 2016. Mobile technology acceptance model: An investigation using mobile users to explore smartphone credit card. In: *Expert Systems with Applications*. Elsevier Ltd. pp.33–46. <https://doi.org/10.1016/j.eswa.2016.04.015>.
- Ouellette, J.A. and Wood, W., 1998. Habit and Intention in Everyday Life: The Multiple Processes by Which Past Behavior Predicts Future Behavior. *Psychological Bulletin*, 124(1), pp.54–74. <https://doi.org/10.1037/0033-2909.124.1.54>.
- Pandya, K.H. and Galiyawala, H.J., 2008. *International Journal of Emerging Technology and Advanced Engineering A Survey on QR Codes: in context of Research and Application*. [online] Certified Journal, Available at: <www.ijetae.com>.
- Phonthanukitithaworn, C., Sellitto, C. and Fong, M.W.L., 2016a. An investigation of mobile payment (m-payment) services in Thailand. *Asia-Pacific Journal of Business Administration*, 8(1), pp.37–54. <https://doi.org/10.1108/APJBA-10-2014-0119>.
- Phonthanukitithaworn, C., Sellitto, C. and Fong, M.W.L., 2016b. An investigation of mobile payment (m-payment) services in Thailand. *Asia-Pacific Journal of Business Administration*, 8(1), pp.37–54. <https://doi.org/10.1108/APJBA-10-2014-0119>.
- Polites, G.L. and Karahanna, E., 2012. *Shackled to the Status Quo: The Inhibiting Effects of Incumbent System Habit, Switching Costs, and Inertia on New System Acceptance*. [online] Source: MIS Quarterly, Available at: <<http://www.misq.org>>.
- Ponsree, K., 2024. QR code payment in Thailand 4.0 era: expand the understanding of perceived susceptibility to COVID-19 in the TAM theory. *Current Psychology*. <https://doi.org/10.1007/s12144-023-05605-x>.
- Pramana, E., 2021. The Mobile Payment Adoption: A Systematic Literature Review. In: *3rd 2021 East Indonesia Conference on Computer and Information Technology, EIConCIT 2021*. Institute of Electrical and Electronics Engineers Inc. pp.265–269. <https://doi.org/10.1109/EIConCIT50028.2021.9431846>.
- Pratiwi, A., 2022. The Effectiveness of the Implementation of the Indonesian Standard Quick Response Payment System (QRIS) on MSMEs in Banten.
- Puspitasari, A.A. and Salehudin, I., n.d. Quick Response Indonesian Standard (QRIS): Does Government Support Contributes to Cashless Payment System Long-term Adoption? [online] <https://doi.org/10.17509/jmi.v1i1.xxxx>.
- QRIS.Interactive, 2024. *QRIS - Skema Transaksi & biaya settlement QRIS*. [online] Available at: <<https://qrис.online/homepage/qrис-fee>> [Accessed 6 April 2024].
- Rigdon, E.E., Sarstedt, M. and Ringle, C.M., 2017. On Comparing Results from CB-SEM and PLS-SEM. *Source: Marketing: ZFP-Journal of Research and Management*, 39(3), pp.4–16. <https://doi.org/10.2307/26426850>.

- Rogers, E.M., 1983. *Diffusion of innovations*. Free Press.
- Rönkkö, M. and Cho, E., 2022. An Updated Guideline for Assessing Discriminant Validity. *Organizational Research Methods*, 25(1), pp.6–14. <https://doi.org/10.1177/1094428120968614>.
- Silaen, M.F., Manurung, S., Nainggolan, C.D., Lecture, S., Tinggi, I. and Ekonomi, A., n.d. *Effect Analysis Of Benefit Perception, Ease Perception, Security And Risk Perception Of Merchant Interest In Using Quick Response Indonesia Standard (Qris)*. [online] International Journal of Science. Available at: <<http://ijstm.inarah.co.id>>.
- Singh, N. and Sinha, N., 2020. How perceived trust mediates merchant's intention to use a mobile wallet technology. *Journal of Retailing and Consumer Services*, 52. <https://doi.org/10.1016/j.jretconser.2019.101894>.
- Singh, S., Sahni, M.M. and Kovid, R.K., 2020. What drives FinTech adoption? A multi-method evaluation using an adapted technology acceptance model. *Management Decision*, 58(8), pp.1675–1697. <https://doi.org/10.1108/MD-09-2019-1318>.
- Stapleton, C.D., 1997. *Basic Concepts and Procedures of Confirmatory Factor Analysis*.
- SUEBTIMRAT, P. and VONGUAI, R., 2021. An Investigation of Behavioral Intention Towards QR Code Payment in Bangkok, Thailand. *Journal of Asian Finance, Economics and Business*, 8(1), pp.939–950. <https://doi.org/10.13106/jafeb.2021.vol8.no1.939>.
- Suo, W.-J., Goi, C.-L., Goi, M.-T. and Sim, A.K.S., 2021. Factors Influencing Behavioural Intention to Adopt the QR-Code Payment. *International Journal of Asian Business and Information Management*, 13(2), pp.1–22. <https://doi.org/10.4018/ijabim.20220701.oa8>.
- Taber, K.S., 2018. The Use of Cronbach's Alpha When Developing and Reporting Research Instruments in Science Education. *Research in Science Education*, 48(6), pp.1273–1296. <https://doi.org/10.1007/s11165-016-9602-2>.
- Tang, J.W. and Tsai, P.H., 2024. Exploring critical determinants influencing businesses' continuous usage of mobile payment in post-pandemic era: Based on the UTAUT2 perspective. *Technology in Society*, 77. <https://doi.org/10.1016/j.techsoc.2024.102554>.
- Taylor, S. and Todd, P.A., 1995. *Understanding Information Technology Usage: A Test of Competing Models*. *Research*, .
- Teo, A.C., Tan, G.W.H., Ooi, K.B., Hew, T.S. and Yew, K.T., 2015. The effects of convenience and speed in m-payment. *Industrial Management and Data Systems*, 115(2), pp.311–331. <https://doi.org/10.1108/IMDS-08-2014-0231>.
- The Culture Factor, 2024. *Country comparison tool*. [online] Available at: <<https://www.theculturefactor.com/country-comparison-tool?countries=indonesia>> [Accessed 1 November 2024].
- Tiara Imani, A. and Herlanto Anggono, A., 2020. Factors Influencing Customers Acceptance of Using the QR Code Feature in Offline Merchants for

- Generation Z in Bandung (Extended UTAUT2). *KnE Social Sciences*. <https://doi.org/10.18502/kss.v4i6.6670>.
- Tirto.id, 2024. *Tirto Id, 2018*. [online] Available at: <<https://tirto.id/selamat-datang-era-pembayaran-qr-code-ala-go-jek-cKhh>> [Accessed 2 May 2024].
- Trianto, B., Nik Azman, N.H. and Masrizal, M., 2023. E-payment adoption and utilization among micro-entrepreneurs: a comparative analysis between Indonesia and Malaysia. *Journal of Science and Technology Policy Management*. <https://doi.org/10.1108/JSTPM-12-2022-0207>.
- Tu, M., Wu, L., Wan, H., Ding, Z., Guo, Z. and Chen, J., 2022. The Adoption of QR Code Mobile Payment Technology During COVID-19: A Social Learning Perspective. *Frontiers in Psychology*, 12. <https://doi.org/10.3389/fpsyg.2021.798199>.
- Türker, C., Altay, B.C. and Okumuş, A., 2022. Understanding user acceptance of QR code mobile payment systems in Turkey: An extended TAM. *Technological Forecasting and Social Change*, 184. <https://doi.org/10.1016/j.techfore.2022.121968>.
- Utami, B., 2024. The Impact of the QRIS Payment System on the Digital Economy Development. *Jurnal Ekonomi Manajemen Dan Bisnis*, [online] 1(3), pp.141–148. <https://doi.org/10.62017/jemb>.
- Venkatesh, V. and Davis, F.D., 2000. Theoretical extension of the Technology Acceptance Model: Four longitudinal field studies. *Management Science*, 46(2), pp.186–204. <https://doi.org/10.1287/mnsc.46.2.186.11926>.
- Venkatesh, V. and Morris, M.G., 2000. *Why Don't Men Ever Stop to Ask for Directions? Gender, Social Influence, and Their Role in Technology Acceptance and Usage Behavior*. *Quarterly*, .
- Venkatesh, V., Morris, M.G., Davis, G.B., Davis, F.D., Smith, R.H. and Walton, S.M., 2003. *User Acceptance of Information Technology: Toward a Unified View* *USER ACCEPTANCE OF INFORMATION TECHNOLOGY: TOWARD A UNIFIED VIEW*. *Quarterly*, .
- Wardhani, R.A., Arkeman, Y. and Ermawati, W.J., 2023. The Impact of Quick Response Adoption of Payment Code on MSMEs' Financial Performance in Indonesia. *International Journal of Social Service and Research*, 3(3), pp.869–878. <https://doi.org/10.46799/ijssr.v3i3.294>.
- Witjaksono, R.H.A., Handayani, P.W., Sunarso, F.P. and Hilman, M., 2021. Quick Response Code Acceptance on Digital Wallet Mobile Applications in Indonesia. In: *2021 International Conference on Advanced Computer Science and Information Systems, ICACSYS 2021*. Institute of Electrical and Electronics Engineers Inc. <https://doi.org/10.1109/ICACSYS53237.2021.9631354>.
- Yan, L.Y., Tan, G.W.H., Loh, X.M., Hew, J.J. and Ooi, K.B., 2021. QR code and mobile payment: The disruptive forces in retail. *Journal of Retailing and Consumer Services*, 58. <https://doi.org/10.1016/j.jretconser.2020.102300>.

- Yuniarta, G.A. and Purnamawati, I.G.A., 2021. Psychological dimensions and practical strategies: MSME and mobile payment adoption. *Management Science Letters*, pp.577–586. <https://doi.org/10.5267/j.msl.2020.9.009>.
- Yusof, Y., Hooi, L.C. and Abas, A., 2021. User acceptance of QR code based mobile application in interactive e-commerce. *Annals of Emerging Technologies in Computing*, 5(Special issue 5), pp.102–107. <https://doi.org/10.33166/AETiC.2021.05.012>.
- Zhang, Q., Khan, S., Cao, M. and Khan, S.U., 2023. Factors Determining Consumer Acceptance of NFC Mobile Payment: An Extended Mobile Technology Acceptance Model. *Sustainability (Switzerland)*, 15(4). <https://doi.org/10.3390/su15043664>.
- Zhong, Y. and Moon, H.C., 2022. Investigating Customer Behavior of Using Contactless Payment in China: A Comparative Study of Facial Recognition Payment and Mobile QR-Code Payment. *Sustainability (Switzerland)*, 14(12). <https://doi.org/10.3390/su14127150>.



JADWAL PENELITIAN

No	Timeline	Kegiatan								
		Identifikasi Masalah	Studi Literatur	Pengembangan Model	Pengumpulan Data	Persiapan Data	Analisis	Publikasi	Laporan Thesis	Ujian Pendadaran
1	May-24	1	✓	✓	-	-	-	-	-	-
		2	✓	✓	-	-	-	-	-	-
		3	✓	✓	-	-	-	-	-	-
		4	-	✓	✓	-	-	-	-	-
2	Jun-24	1	-	-	✓	-	-	-	-	-
		2	-	-	✓	-	-	-	-	-
		3	-	-	✓	-	-	-	-	-
		4	-	-	✓	-	-	-	-	-
3	Jul-24	1	-	-	-	-	-	-	-	-
		2	-	-	-	✓	-	-	-	-
		3	-	-	-	✓	-	-	-	-
		4	-	-	-	✓	-	-	-	-
4	Aug-24	1	-	-	-	✓	-	-	-	-
		2	-	-	-	✓	-	-	-	-
		3	-	-	-	✓	-	-	-	-
		4	-	-	-	✓	-	-	-	-

		1		.	✓						
		2		.	✓	✓					
		3		.		✓	✓	✓			
		4		.		✓	✓	✓	✓		
5	Sep-24	1		.		✓					
5	Oct-24	2		.		✓	✓				
5	Oct-24	3		.		✓	✓	✓			
5	Oct-24	4		.		✓	✓	✓	✓		
6	Nov-24	1		.		✓					
6	Nov-24	2		.		✓	✓				
6	Nov-24	3		.		✓	✓	✓			
6	Nov-24	4		.		✓	✓	✓	✓		
7	Dec-24	1		.		✓					
7	Dec-24	2		.		✓					
7	Dec-24	3		.		✓					
7	Dec-24	4		.		✓					

LAMPIRAN

Lampiran 1 – Dokumentasi Pilot Project



Lampiran 2 – List Pertanyaan

Section 1 of 2

Penggunaan QRIS sebagai pembayaran digital di Indonesia

B I U ↵ ⌂

QRIS (Quick Response Code Indonesian Standard) adalah standar kode QR yang dikembangkan oleh Bank Indonesia untuk memfasilitasi pembayaran digital yang mudah, cepat, dan aman. QRIS memungkinkan pedagang dan konsumen menggunakan satu kode QR untuk berbagai aplikasi pembayaran digital, sehingga mengurangi kebutuhan akan berbagai kode dari penyedia layanan pembayaran yang berbeda. Dengan QRIS, pedagang UMKM dan konsumen dapat melakukan transaksi tanpa uang tunai dengan lebih efisien, meningkatkan inklusi keuangan dan mendorong adopsi teknologi digital dalam ekosistem ekonomi Indonesia.

Penelitian ini bertujuan untuk memahami faktor-faktor yang mempengaruhi niat pedagang UMKM di Indonesia dalam mengadopsi QRIS sebagai metode pembayaran digital. Melalui penelitian ini, diharapkan dapat diidentifikasi manfaat, tantangan, serta hambatan yang dihadapi oleh pedagang UMKM dalam penggunaan QRIS, sehingga dapat memberikan wawasan yang lebih baik bagi pemangku kepentingan untuk meningkatkan adopsi dan efektivitas QRIS dalam mendukung perkembangan UMKM di Indonesia.

Pengisian kuisioner ini bersifat sukarela dan hanya membutuhkan waktu sekitar 5-10 menit dalam pengisinya. Partisipasi Anda akan sangat membantu dalam memahami manfaat dan tantangan penerapan QRIS di berbagai sektor. Terima kasih atas waktu dan kontribusi Anda!

Jika ada pertanyaan terkait penelitian ini, silakan hubungi melalui email iandamping14@gmail.com.

Atas perhatiannya, saya ucapkan terima kasih.

Catatan:
Data responden yang dikumpulkan melalui kuisioner ini hanya akan digunakan untuk kepentingan penelitian.

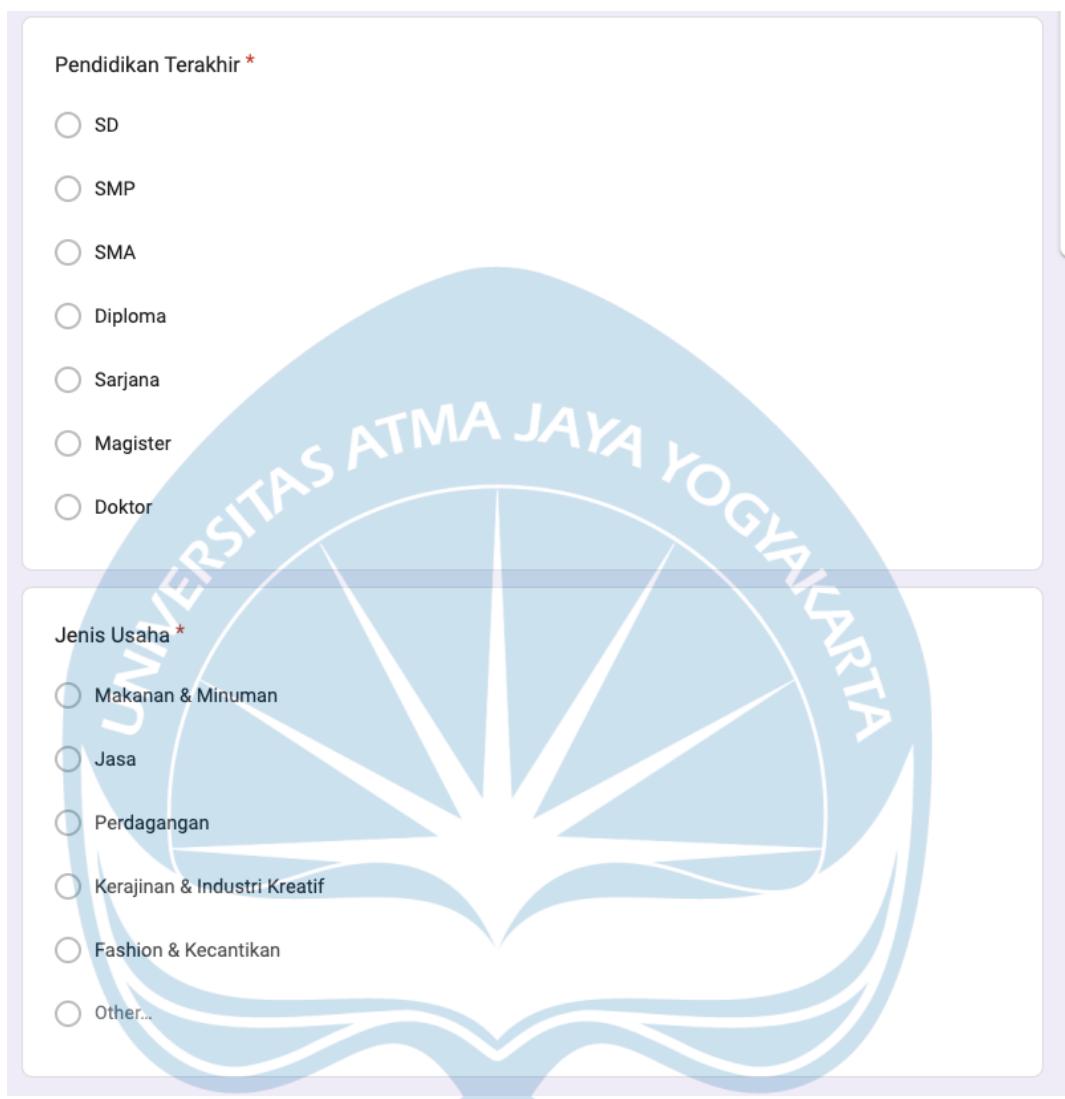
Jenis Kelamin *

Laki-Laki
 Perempuan

Umur *

< 19
 20 - 29
 30 - 39
 40 - 49
 > 50

⋮



Section 2 of 2

Petunjuk Pengisian

Silakan isi formulir ini dengan memberikan penilaian Anda terhadap setiap pernyataan yang disediakan. Gunakan skala berikut untuk menilai tingkat persetujuan Anda:

Sangat Tidak Setuju: Beri bobot 1

Tidak Setuju: Beri bobot 2

Cukup: Beri bobot 3

Setuju: Beri bobot 4

Sangat Setuju: Beri bobot 5

Contoh:

Jika Anda sangat tidak setuju dengan pernyataan, pilih 1.

Jika Anda sangat setuju dengan pernyataan, pilih 5.

Harap berikan jawaban yang sesuai dengan pendapat dan pengalaman pribadi Anda. Terima kasih atas partisipasi Anda!

Manfaat yang dirasakan ketika menggunakan QRIS

Description (optional)

Menggunakan QRIS sangat bermanfaat bagi bisnis saya sehari-hari. *



QRIS membuat pembayaran jadi lebih mudah dan cepat. *



Menggunakan QRIS akan lebih menguntungkan.*



Menggunakan QRIS meningkatkan produktivitas saya *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Kemudahan yang dirasakan ketika menggunakan QRIS

Description (optional)

Belajar menggunakan QRIS sepertinya mudah bagi saya *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Sepertinya QRIS mudah dimengerti. *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Menurut saya QRIS mudah digunakan. *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Keunggulan yang dirasakan terhadap QRIS

Description (optional)

Menerima pembayaran melalui QRIS membantu saya mengatasi masalah uang kembalian. *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Menggunakan QRIS mengurangi risiko pencurian. *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Lebih cepat dan aman menggunakan QRIS *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Potongan dan biaya yang di rasakan ketika menggunakan QRIS

Description (optional)

Menurut saya potongan transaksi (MDR) menggunakan QRIS tinggi. *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Menurut saya biaya penarikan (*admin settlement*) menggunakan QRIS tinggi *

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Secara keseluruhan, saya percaya menggunakan QRIS akan memberikan biaya dan potongan yang signifikan.

*

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

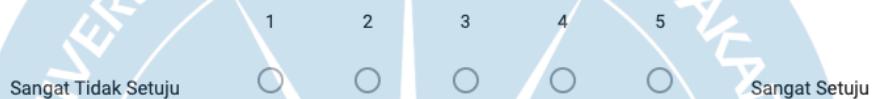
Kenyamanan menggunakan uang tunai

Description (optional)

Saya merasa lebih nyaman untuk terus menggunakan uang tunai daripada mengganti ke metode pembayaran QRIS. *



Saya sudah terbiasa dengan uang tunai dan akan terus menggunakannya. *



Saya sudah nyaman dengan metode pembayaran saya saat ini dan tidak perlu mengubahnya. *



Pengaruh sosial ketika ingin menggunakan QRIS

Description (optional)

Saya akan menggunakan QRIS jika orang-orang yang penting bagi saya berpendapat bahwa saya harus menggunakannya. *



Saya akan menggunakan QRIS jika banyak pedagang lain menggunakannya. *



Saya akan menggunakan QRIS jika layanan ini banyak digunakan masyarakat.*

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Niat menggunakan QRIS dalam waktu dekat

Description (optional)

Kemungkinan besar saya akan menggunakan QRIS dalam waktu dekat.*

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Saya bermaksud menggunakan QRIS untuk menerima pembayaran di masa mendatang.*

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

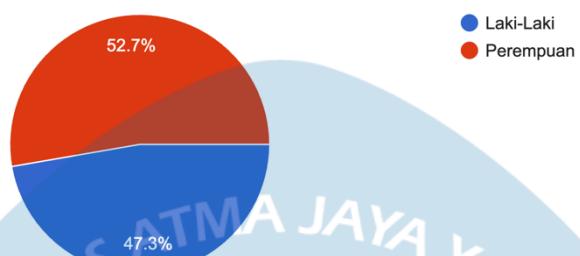
Saya berencana menggunakan QRIS untuk menerima pembayaran saya.*

1	2	3	4	5		
Sangat Tidak Setuju	<input type="radio"/>	Sangat Setuju				

Lampiran 3 – Data Respondend

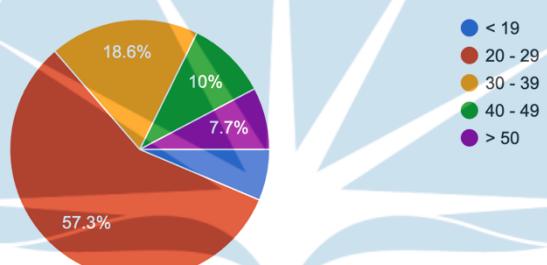
Jenis Kelamin

220 responses



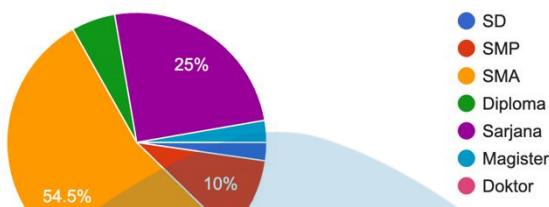
Umur

220 responses



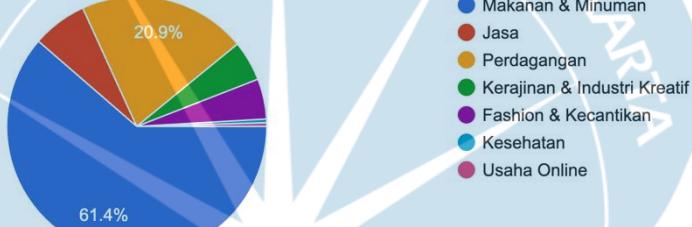
Pendidikan Terakhir

220 responses



Jenis Usaha

220 responses

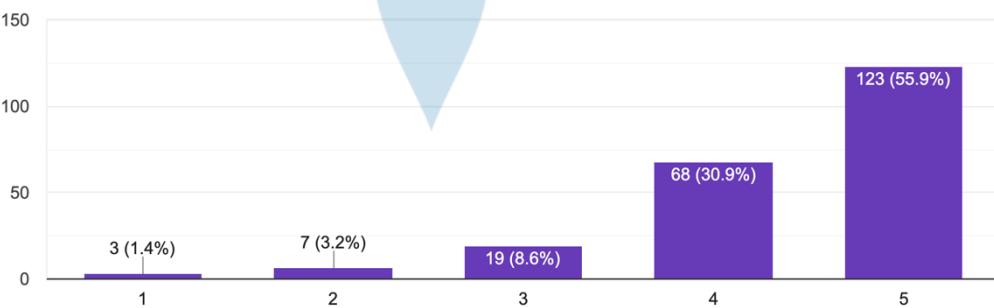


Lampiran 4 – Data Jawaban

Jawaban Mobile Usefulness

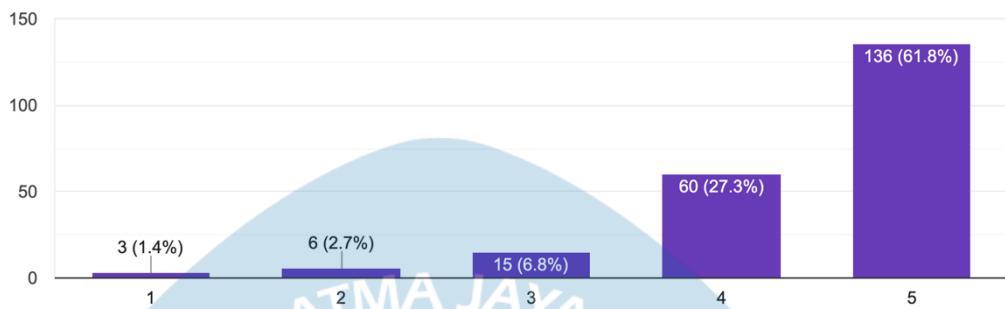
Menggunakan QRIS sangat bermanfaat bagi bisnis saya sehari-hari.

220 responses



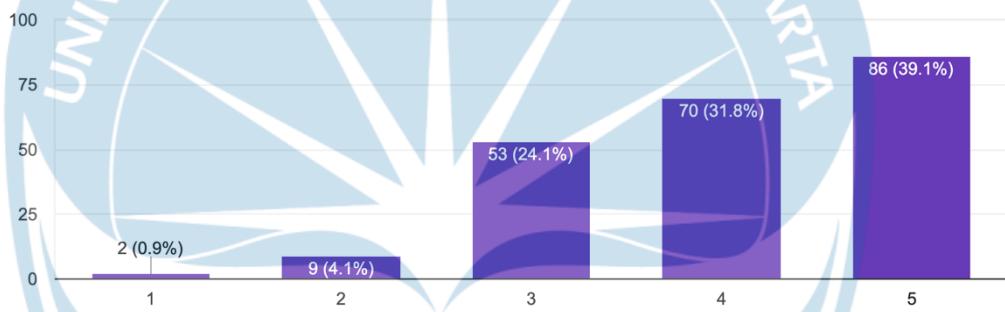
QRIS membuat pembayaran jadi lebih mudah dan cepat.

220 responses



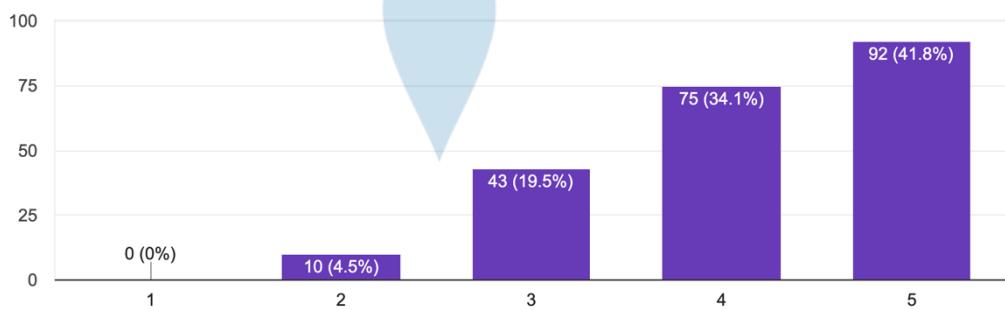
Menggunakan QRIS akan lebih menguntungkan.

220 responses



Menggunakan QRIS meningkatkan produktivitas saya

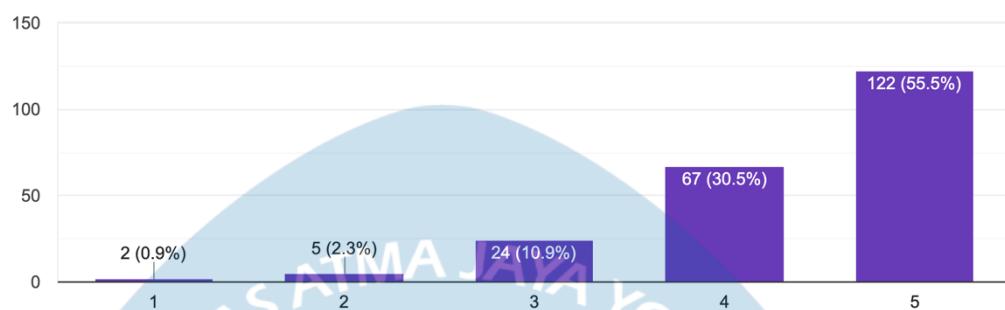
220 responses



Jawaban Mobile Ease of Use

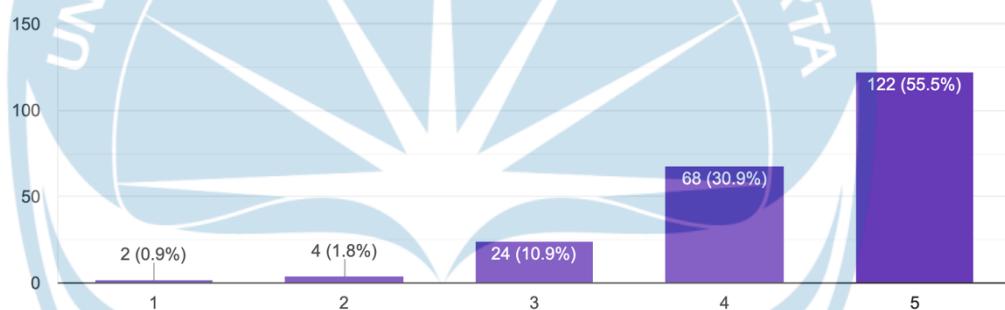
Belajar menggunakan QRIS sepertinya mudah bagi saya

220 responses



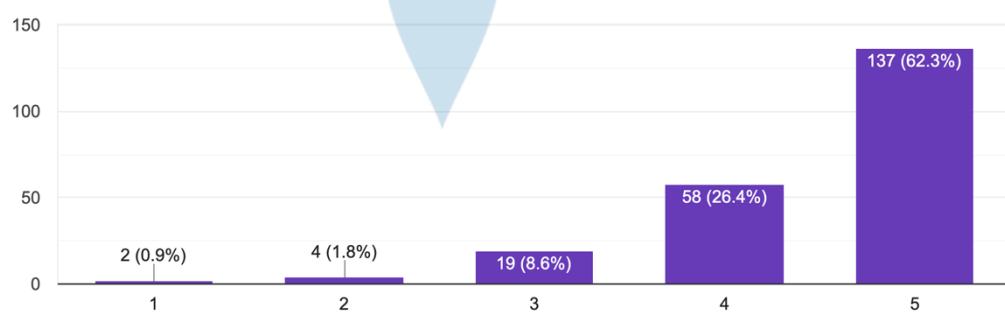
Sepertinya QRIS mudah dimengerti.

220 responses



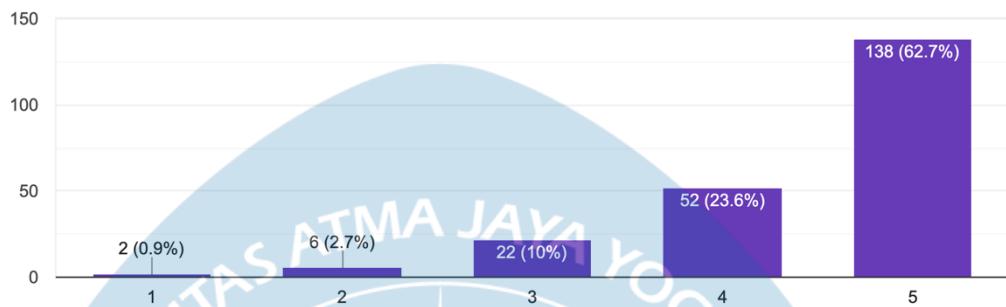
Menurut saya QRIS mudah digunakan.

220 responses

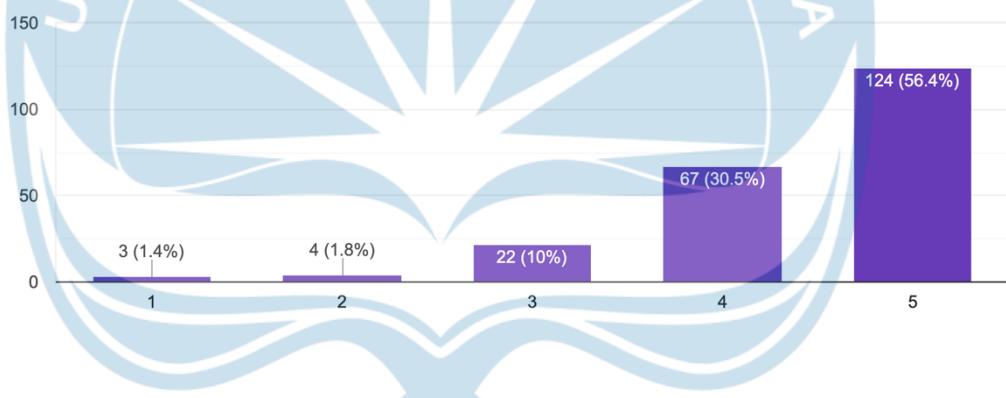


Jawaban Relative Advantage

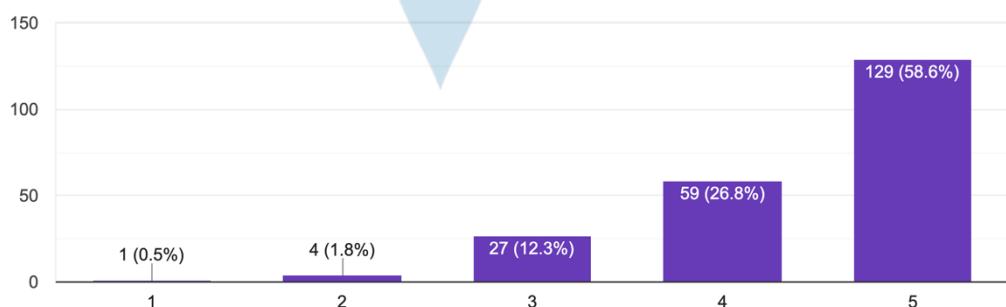
Menerima pembayaran melalui QRIS membantu saya mengatasi masalah uang kembalian.
220 responses



Menggunakan QRIS mengurangi risiko pencurian.
220 responses



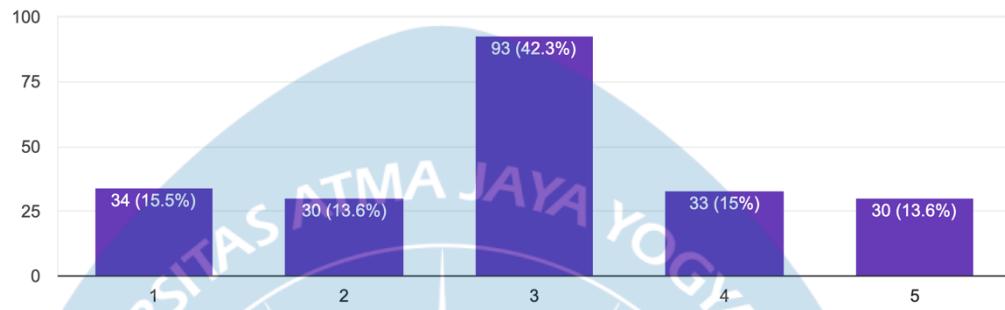
Lebih cepat dan aman menggunakan QRIS
220 responses



Jawaban Perceived Cost

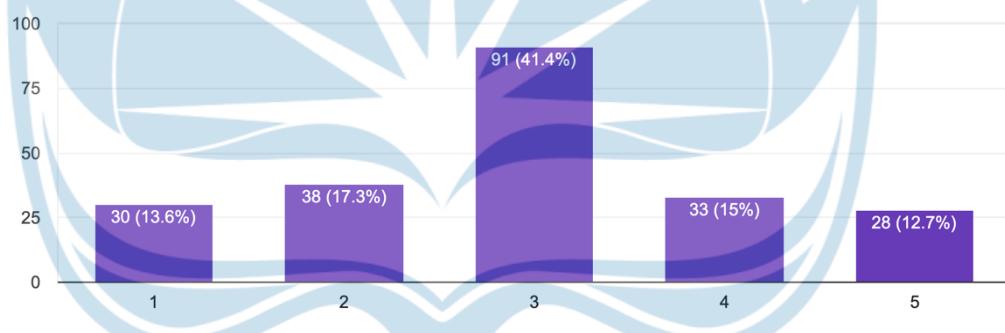
Menurut saya potongan transaksi (MDR) menggunakan QRIS tinggi.

220 responses



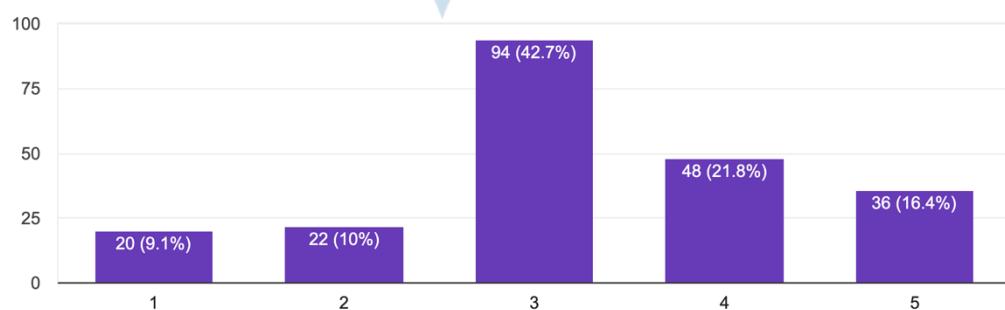
Menurut saya biaya penarikan (admin settlement) menggunakan QRIS tinggi

220 responses



Secara keseluruhan, saya percaya menggunakan QRIS akan memberikan biaya dan potongan yang signifikan.

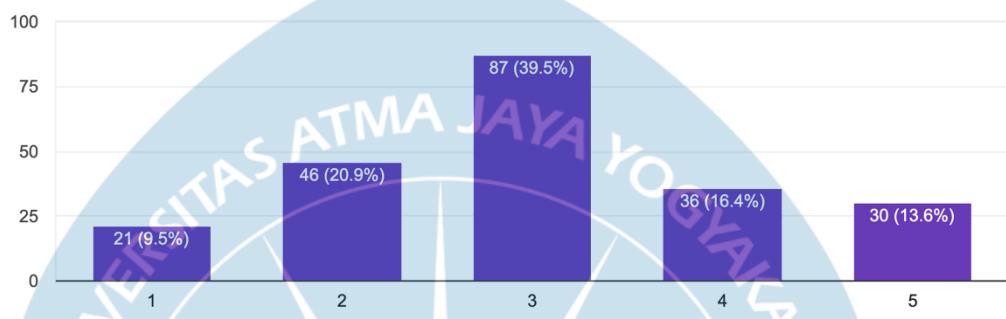
220 responses



Jawaban Inertia

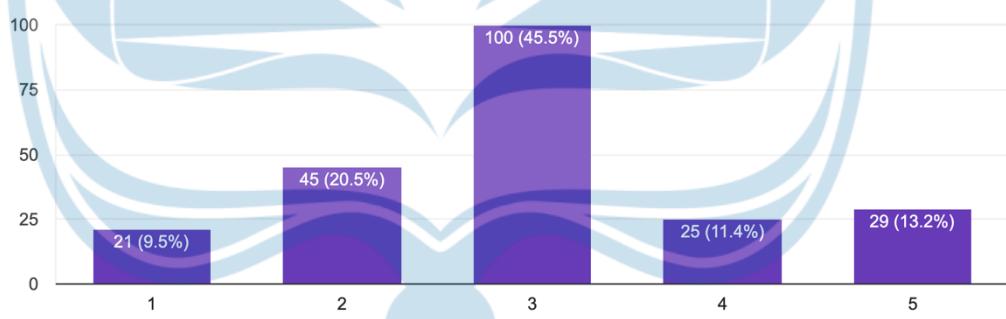
Saya merasa lebih nyaman untuk terus menggunakan uang tunai daripada mengganti ke metode pembayaran QRIS.

220 responses



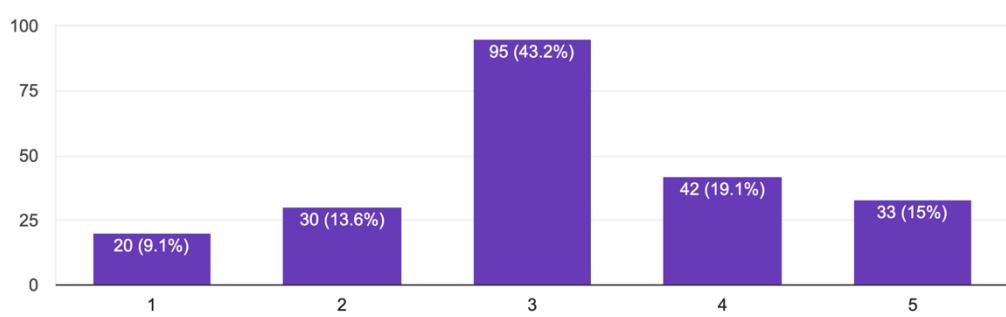
Saya sudah terbiasa dengan uang tunai dan akan terus menggunakannya.

220 responses



Saya sudah nyaman dengan metode pembayaran saya saat ini dan tidak perlu mengubahnya.

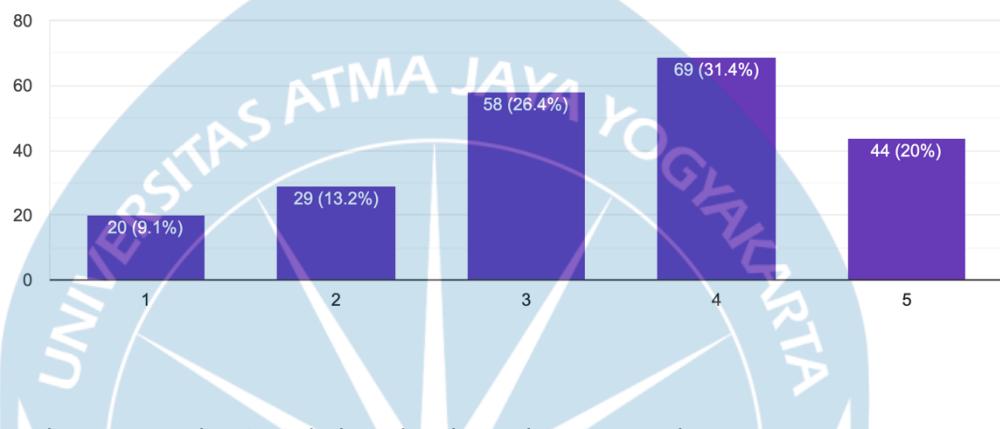
220 responses



Jawaban Social Influence

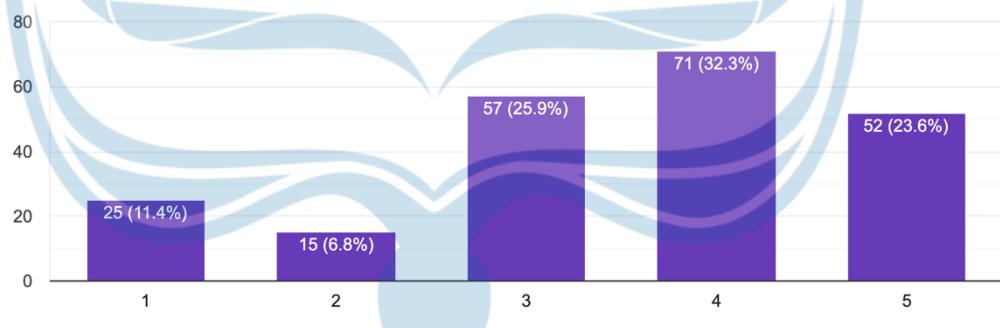
Saya akan menggunakan QRIS jika orang-orang yang penting bagi saya berpendapat bahwa saya harus menggunakannya.

220 responses



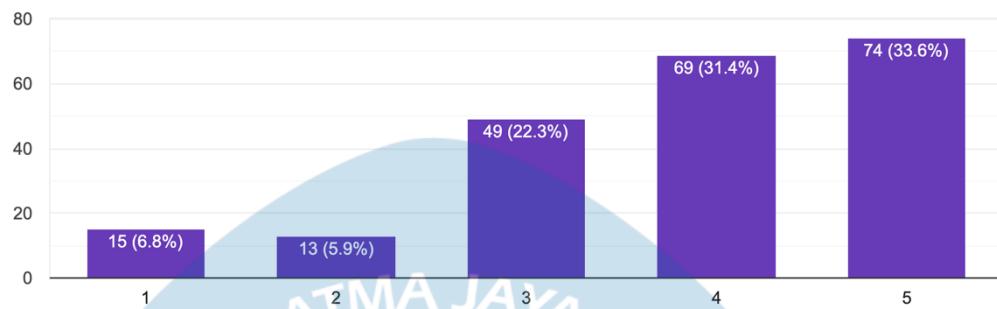
Saya akan menggunakan QRIS jika banyak pedagang lain menggunakannya.

220 responses



Saya akan menggunakan QRIS jika layanan ini banyak digunakan masyarakat.

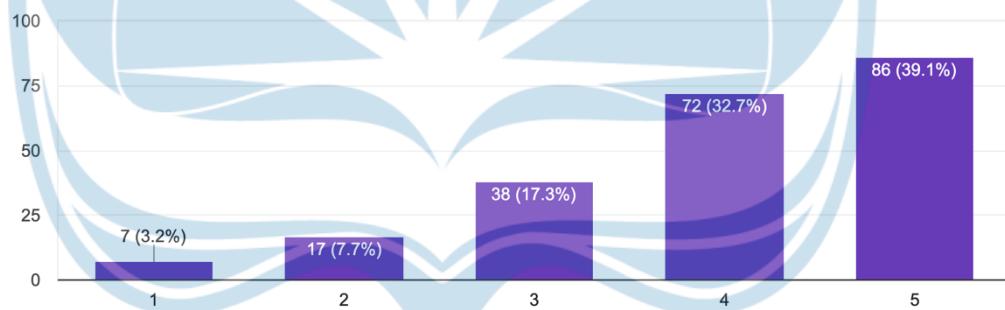
220 responses



Jawaban Behavioral Intention

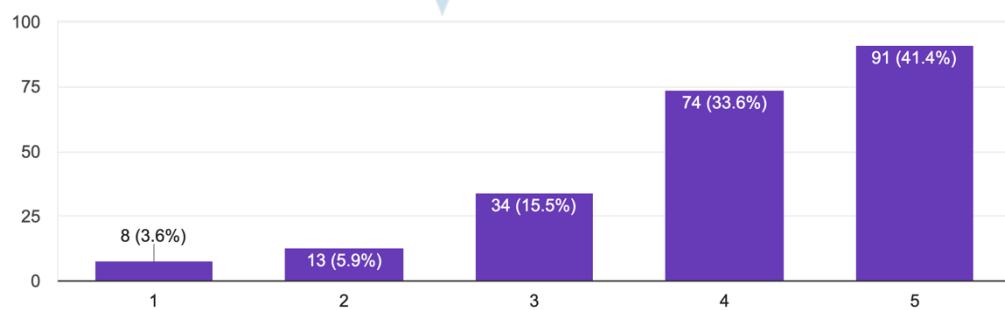
Kemungkinan besar saya akan menggunakan QRIS dalam waktu dekat.

220 responses



Saya bermaksud menggunakan QRIS untuk menerima pembayaran di masa mendatang.

220 responses



Saya berencana menggunakan QRIS untuk menerima pembayaran saya.

220 responses

