

Data mining applied about state madrasah using sentiment analysis on Twitter in Indonesian perception

Mahsusi¹, Syihaabul Huda², Nuryani³, Ahmad Bahtiar³

¹Department of Educational Management, Faculty of Islamic Education and Teacher Training, Universitas Islam Negeri Syarif Hidayatullah Jakarta, Tangerang Selatan, Indonesia

²Department of Management, Faculty of Economics and Business, Institut Teknologi dan Bisnis Ahmad Dahlan Jakarta, Tangerang Selatan, Indonesia

³Department of Indonesian Language and Literature Education, Faculty of Islamic Education and Teacher Training, Universitas Islam Negeri Syarif Hidayatullah Jakarta, Tangerang Selatan, Indonesia

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ABSTRACT

Indonesian people prefer private schools with high prices, which is one of the exciting things to study. In fact, in the modern era, public schools have competed with private schools with international categories. The problem in public schools is the parent's perspective on the quality of education in public schools, especially public madrasahs. In addition, cases such as bullying and violence between schools. People on Twitter also have various perceptions of public madrasahs, which are considered to have religiosity. This research uses the keywords public madrasah, quality management, and quality taken from Twitter using the Orange application. The amount of data in this research is 300 tweets from Twitter. As a result, there are both negative and positive sentiments toward public madrasahs. However, the negative sentiment is higher than the positive sentiment. This means parents have more trust in private schools than in public madrasahs.

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Corresponding Author:

Syihaabul Huda

Department of Management, Faculty of Economics and Business,

Institut Teknologi dan Bisnis Ahmad Dahlan Jakarta

Ir. H. Juanda street, No. 77, Tangerang Selatan, Banten 15419, Indonesia

Email: syihaabulhuda@itb-ad.ac.id

1. INTRODUCTION

State Islamic schools in Indonesia are always interesting to study. The emergence of Islamic state schools provides a significant comparison with private schools. The perception of the Indonesian community toward Islamic state schools is also varied. Some argue that Islamic state schools lag in curriculum, teaching, and the quality of their buildings [1]. This negative perception emerged alongside the proliferation of private schools in Indonesia that have significant and magnificent buildings [2]. Furthermore, based on research conducted by Kusari [3], it is stated that parents tend to want to enroll their children in expensive private schools. The choice of expensive schools is based on aspects of the learning system that are considered better, the welfare of teachers, which enables them to focus on teaching, and the attention given by the school to students [4].

The emergence of various juvenile delinquency cases in public and state Islamic schools makes parents reconsider enrolling their children in government institutions [5]. However, government institutions have lower costs than private schools [6]. The government provides good facilities for its students [7]. However, this cannot make public schools surpass private schools regarding facilities, achievements, and student outcomes [8], [9]. Diversity in academic achievements raises many questions, whether the learning

system, teacher recruitment, and textbooks used differ, resulting in significant differences in outcomes [10]. Even after the emergence of Islamic state schools that have achieved outstanding academic achievements in recent years, parents still prefer expensive private schools [11].

Some of the Islamic state schools that have achieved outstanding academic achievements in Indonesia are MAN IC Serpong, MAN 2 Malang, and other state Islamic schools. However, in the general public's view, state Islamic schools are still considered unable to surpass other private schools [3]. Parents consider private schools that use international labels with very high fees better. Parents feel more at ease when enrolling their children in expensive private schools [12]. In their view, there is no bullying, discrimination among peers, and gaps that lead to juvenile delinquency in expensive schools. Compared to Islamic state schools with a boarding system, it is undoubtedly riskier for negative actions to occur during their children's education [13].

The researcher examines how the Indonesian community perceives Islamic state schools in this research. The researcher's data consists of randomly collected Twitter posts using the Orange data mining application [14], [15]. The data used from Twitter consists of 300 posts collected using the Orange data mining application [16]. The researcher used the keyword "madrasah negeri" to search for the data [17]. Using the Orange data mining application made it easier for the researcher to analyze the community's sentiment towards Islamic state schools on Twitter [18], [19]. Although many applications can be used to analyze community sentiment on Twitter, the Orange data mining application was chosen by the researcher for this particular study [20]. The Orange data mining application is considered a more straightforward tool for data analysis than other applications available for sentiment analysis on Twitter [21]. Orange data mining is known for its user-friendly interface and ease of use [22], [23]. The collected data was analyzed using Orange data mining to examine the words that appeared based on those used on Twitter [24], negative-positive sentiment, and its frequency [22], [23], [25]–[27].

2. RESEARCH METHOD

2.1. Connecting Twitter with Orange data mining

Orange data mining is a freely accessible software used for data analysis. Data mining makes researchers' performance easier because data extraction is done using a system. In addition, analyzing collected data also uses applications to compute them. Connecting Twitter with the Orange application is easy. In the initial stage, the researcher must log into the Orange application and open text mining. Users can find various data sources in this section, such as Twitter, Wikipedia, PubMed, and NY Times. However, the Twitter application is the preferred choice for researchers because users often comment on anything in Indonesia. To obtain the Twitter application programming interface (API) key, users can take the following steps, see Figure 1.

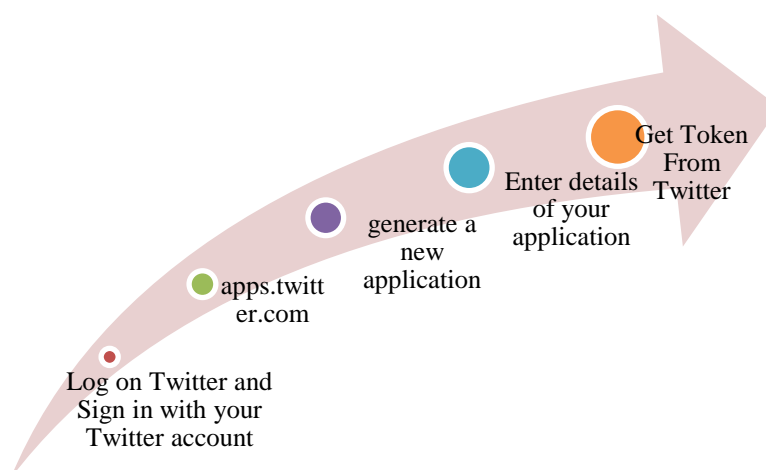


Figure 1. Get the API key from Twitter

2.2. Collecting data from Twitter

After obtaining the API key, users can log into the Orange application and select "Twitter" in the text mining section. Then, for the first time, users will be prompted for the API key, which can be obtained

by requesting it from Twitter App Developer [28] and then creating an app [29]. After agreeing, users can start requesting the API [30]. Then, users must wait for the developer to send the Twitter API key [31]. After obtaining the API, users will enter it into the Twitter icon section in the Orange application. Next, after entering, the user can enter the query list for the keywords they want to search for in the Twitter application [32]. The search can be selected based on several aspects, such as content and author. The amount of search data can also be adjusted according to the user's needs. In this case, the researcher enters the number 300, which means the maximum data searched on Twitter.

2.3. Sentiment analysis

This article examines public opinion on Indonesia's Islamic state schools. The emergence of Islamic state schools in Indonesia continues to experience development and change. However, only some are aware of the changes in education in Islamic state schools, so the public tends to have opposed opinions. Sentiment analysis aims to gain insight from public comments on social media. Researchers can decide on public opinion towards a searched keyword based on the results of the Orange application analysis. Here are the steps to analyse data using the Orange application, see Figure 2.

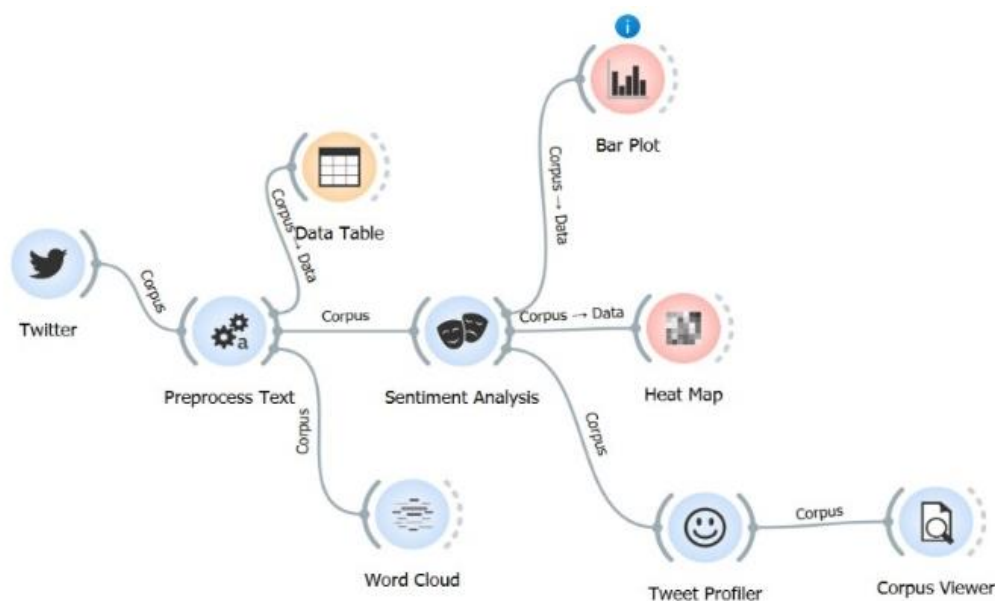


Figure 2. Orange application usage flow

3. RESULTS AND DISCUSSION

Based on the research conducted by the researcher, several opinions from the community regarding madrasah schools were found. The public's view on state-funded madrasahs varied greatly. Some believed that state-funded madrasahs were good places for learning as they integrated religion and education. However, some believed that all schools, whether state-funded madrasahs or general category schools, tended to have shortcomings in their teaching methods. Figure 3 shows the results of the analysis using the Orange application.

The data in Figure 3 shows the diverse responses of the community towards state-funded madrasahs. These responses are classified into several emotions: anger, fear, disgust, happiness, sadness, and surprise. The range of the evaluation varies from anger to surprise, which is -2.108 to 3.383. In addition, various responses using a word cloud also appear as shown in Figure 4.

The text in Figure 4 shows the various perspectives of the Twitter community towards state-funded madrasahs. Some words refer to cases of sexual violence, bullying, and requests for help. This means that the text indicates the community's discomfort towards state-funded madrasahs. From these findings, relevant institutions can anticipate providing more pleasant services in madrasahs.

The data set in Figure 5 was taken using the Orange application and obtained 300 tweets, which became data in this study. The Twitter accounts that are the goal of netizens belong to the Ministry of

Religion and the Ministry of Education. The purpose of netizens commenting on these Twitter accounts is dissatisfaction with the government's performance in education.

The data analysis using a bar plot in Figure 6 shows that the positive sentiment reaches a score of 20, and negative sentiment also appears with a score of 20. This means that the community has a two-sided view of both positive and negative madrasahs. Although from the data above, positive sentiment dominates more than the negative sentiment that arises.

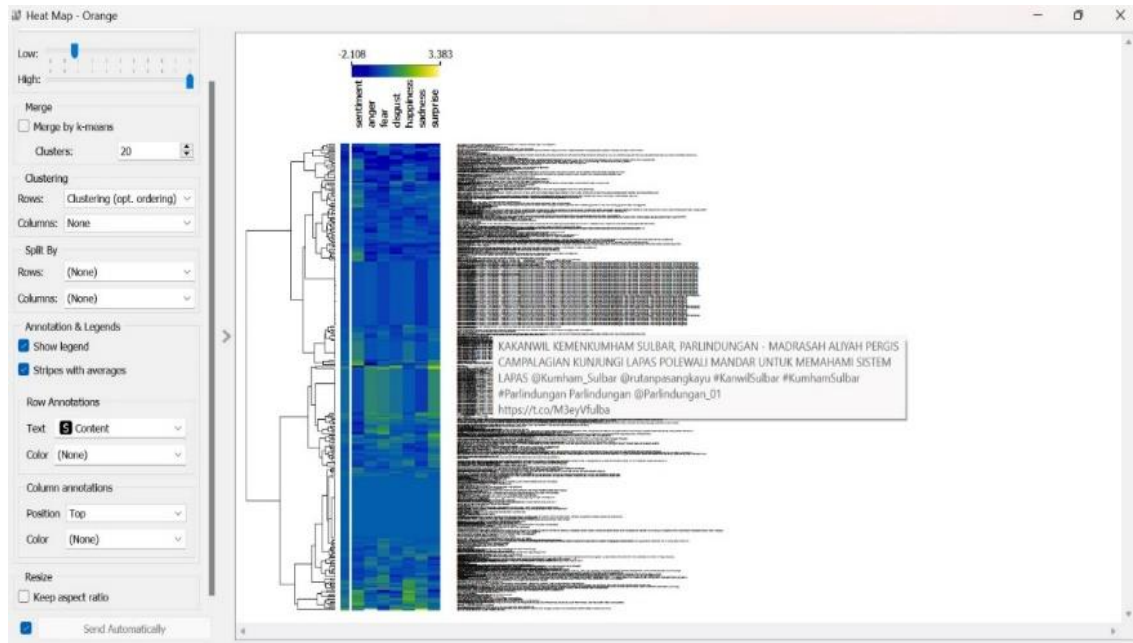


Figure 3. Heat map sentiment in society



Figure 4. Word cloud state madrasah

The data in Figure 7 shows that four accounts comment on the madrasah. The first three accounts commented on the madrasah's performance, with statements still in the excellent category. However, one other account, @pedescilor, gave the most negative comments. One of the accounts taken by the researcher shows their dislike towards government institutions, particularly regarding school management. Private schools that the government does not facilitate can proliferate. However, state-funded schools have lower education quality compared to private schools. From these results, it is found that public trust in state-funded schools has shifted in recent years. The decline in the image of state-funded schools is based on various cases, such as sexual violence, bullying, and discomfort in learning.

Content	Author	Date	Language	Location	Number of Likes	Number of Retweet	In Reply To	Author Name	Author Description
KAKANWIL KE...	@agilgimnastiar7	2023-03-09 08:...	in	?	0	0 ?		agilgimnastiar7 ?	
KAKANWIL KE...	@agilgimnastiar7	2023-03-09 08:...	in	?	0	0 ?		agilgimnastiar7 ?	
*KAKANWIL KE...	@irfan54533269	2023-03-09 07:...	in	?	0	0 ?		Irfan Nikmati proses.	
KAKANWIL KE...	@alfaridzi_alim	2023-03-09 07:...	in	?	0	0 ?		Alim Alfaridzi ?	
KAKANWIL KE...	@alfaridzi_alim	2023-03-09 07:...	in	?	0	0 ?		Alim Alfaridzi ?	
CARA PENGAJU...	@rahdiwae	2023-03-09 07:...	in	?	0	0 ?		rahdiwae Chan... ?	
Ratusan Madra...	@murianewscom	2023-03-09 07:...	in	?	1	0 ?		Murianews.com	It's local news p...
@Muhammad...	@pemdab03	2023-03-09 06:...	in	?	0	0 ?	@Muhammad...	Danu47 ?	
Babinsa Sungai ...	@0317Tbk	2023-03-09 06:...	in	?	0	0 ?		Kodim 0317/ TBK ?	
Jadi Pilot Projec...	@murianewscom	2023-03-09 06:...	in	?	1	0 ?		Murianews.com	It's local news p...
Dokumen itu di...	@mediavariasi	2023-03-09 06:...	in	?	0	0 ?		Media Variasi	Teraju, Berani...
@yukarikanaga...	@conankun	2023-03-09 06:...	in	?	1	0 ?	@yukarikanaga...	yuzu she/her dc tr f	
Open Donasi "L...	@PYIT_BOGOR	2023-03-09 06:...	in	?	0	0 ?		Pesantren Ibnu ...	Lem oga pen...
KAKANWIL KE...	@Muhysrib	2023-03-09 06:...	in	?	0	0 ?		Muhammad Yu...	Akun yang lam...
KAKANWIL KE...	@Muhamma47...	2023-03-09 06:...	in	?	0	0 ?		Muhammad Sh...	Tho Mandar
KAKANWIL KE...	@Muhysrib	2023-03-09 06:...	in	?	0	0 ?		Muhammad Yu...	Akun yang lam...
KAKANWIL KE...	@Muhamma47...	2023-03-09 06:...	in	?	0	0 ?		Muhammad Sh...	Tho Mandar
*KAKANWIL KE...	@FajarRizkiansah	2023-03-09 06:...	in	?	0	0 ?		Fajar Rizkiansah ?	
*KAKANWIL KE...	@FajarRizkiansah	2023-03-09 05:...	in	?	0	0 ?		Fajar Rizkiansah ?	
*KAKANWIL KE...	@FajarRizkiansah	2023-03-09 05:...	in	?	0	0 ?		Fajar Rizkiansah ?	
KAKANWIL KE...	@PriyonoTheo	2023-03-09 05:...	in	?	0	0 ?		Theo Teguh Pri...	
KAKANWIL KE...	@PriyonoTheo	2023-03-09 05:...	in	?	0	0 ?		Theo Teguh Pri...	
KAKANWIL KE...	@WahyudiMo	2023-03-09 05:...	in	?	0	0 ?		Wahyudi ?	
@sanitamima ...	@riniephototea	2023-03-09 05:...	in	?	0	0 ?	@sanitamima	Nur Khoerini	6 Januari 1994
Bayaran sumba...	@faqir_radzi	2023-03-09 05:...	in	?	0	0 ?	@faqir_radzi	Al-Faqir Mohd...	Ijazah Sarjana ...
KAKANWIL KE...	@WahyudiMo	2023-03-09 05:...	in	?	0	0 ?		Wahyudi ?	
Member NCT D...	@dondhon96	2023-03-09 05:...	in	?	0	0 ?		Hi Don	Wenn Sie mich
Riwayat Pendi...	@vote3wrfi	2023-03-09 05:...	in	?	0	0 ?		No Name ?	

Figure 5. 300 data collection

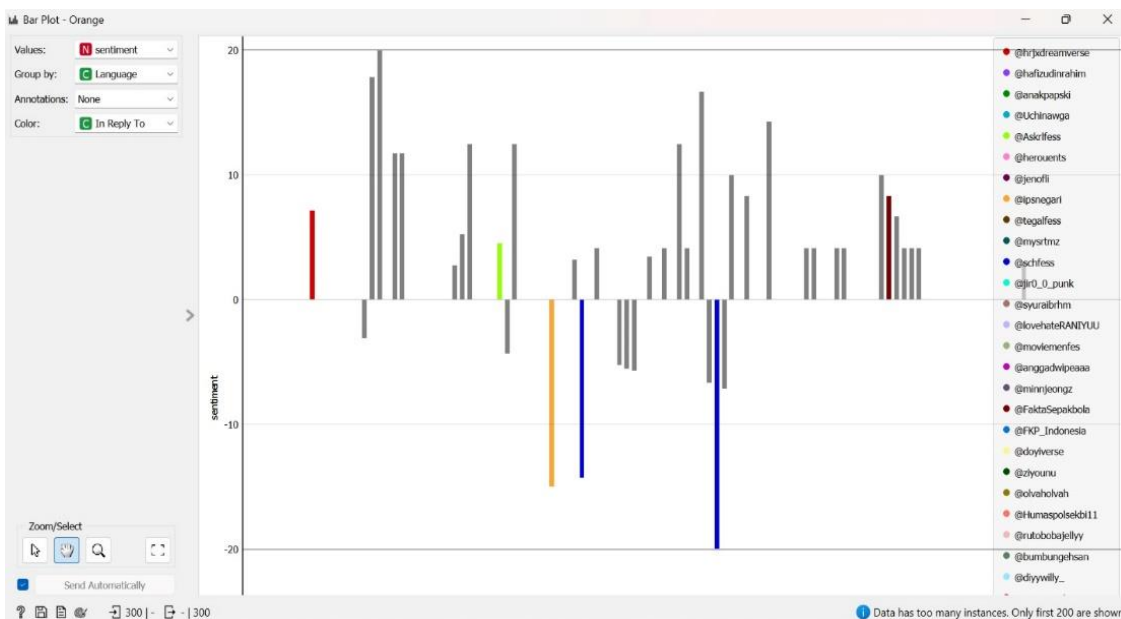


Figure 6. Bar plot-sentiment analysis

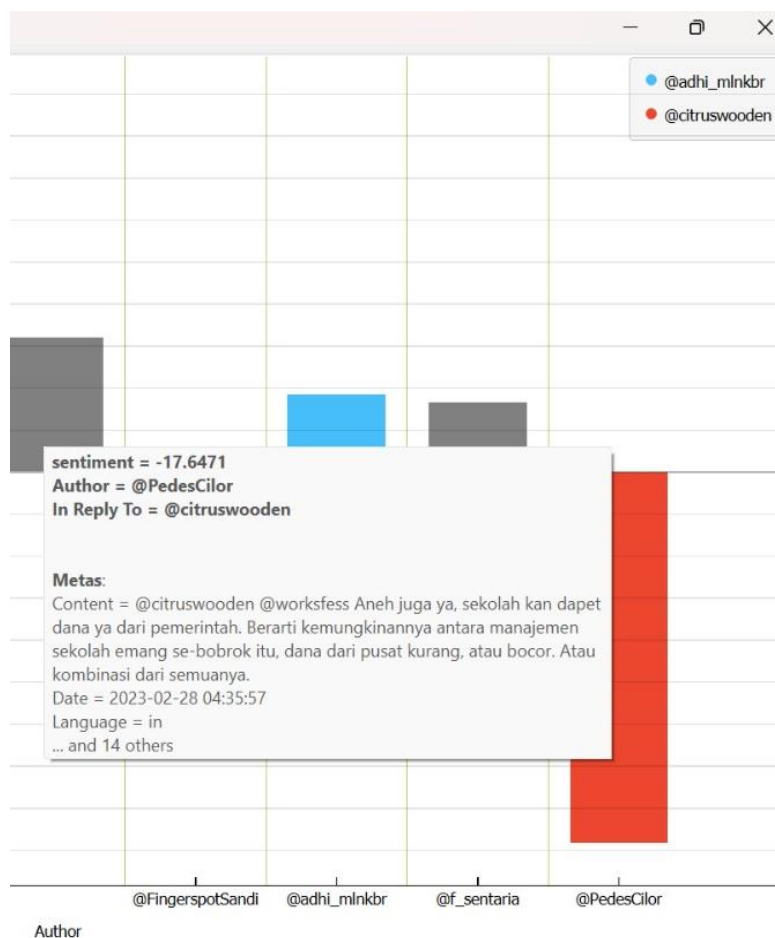


Figure 7. Bar plot-sentiment analysis

4. CONCLUSION

State-funded madrasahs are still considered inadequate by Indonesian society. The community has two opinions, namely, positive and negative. Although positive sentiment dominates more than negative sentiment, the image of state-funded madrasahs should not have a negative sentiment. From this research, relevant institutions can use it as a reference to improve management in state-funded madrasahs. Improvement in the management of state-funded madrasahs is expected to dominate the image of state-funded madrasahs compared to private schools.

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REFERENCES

- [1] M. Marwazi and M. H. Abid, "Traditional madrasah, state policies and the rise of integrated Islamic schools in Jambi," *Journal of Indonesian Islam*, vol. 15, no. 1, Jun. 2021, doi: 10.15642/JIIS.2021.15.1.75-102.
- [2] A. Rojak, I. Wasliman, N. Koswara, and F. K. Fatkhullah, "Learning management in increasing the quality of graduates at Aliyah Boarding Schools In Banten Province (study on MAN Insan Cendekia and MAN 2 Serang)," *International Journal of Educational Research and Social Sciences (IJERSC)*, vol. 3, no. 6, Oct. 2022, doi: 10.51601/ijersc.v3i5.524.
- [3] Kusaeri, "The portrait of Madrasah Aliyah in Indonesia: a critical evaluation of the mathematics score in the national examination," *Journal of Physics: Conference Series*, vol. 1028, Jun. 2018, doi: 10.1088/1742-6596/1028/1/012126.
- [4] K. B. Ahmad, "Educational practice: lessons to be learned from madrasah and religious schools in contemporary Southeast Asia," *Indonesian Journal of Islam and Muslim Societies*, vol. 5, no. 1, pp. 29-48, Jun. 2015, doi: 10.18326/ijims.v5i1.29-48.
- [5] C. R. Oktaviani and H. Mayatopani, "Decision support system for private senior high school selection using the weighted product method (in Indonesian)," *Progresif: Jurnal Ilmiah Komputer*, vol. 19, no. 1, Feb. 2023, doi: 10.35889/progresif.v19i1.1066.
- [6] D. Perwita and R. Widuri, "Education research: parents' preference for private schools over public schools (in Indonesian)," *EQUILIBRIUM: Jurnal Ilmiah Ekonomi dan Pembelajarannya*, vol. 11, no. 1, Jan. 2023, doi: 10.25273/equilibrium.v11i1.14779.




- [7] M. Abdullah, "School culture to serve performance of madrasah in Indonesia," *Qudus International Journal of Islamic Studies (QJIS)*, vol. 7, no. 1, Jun. 2019, doi: 10.21043/qjiss.v7i1.4809.
- [8] A. Srinivasulu and A. Pushpa, "Disease prediction in big data healthcare using extended convolutional neural network techniques," *International Journal of Advances in Applied Sciences*, vol. 9, no. 2, pp. 85-92, Jun. 2020, doi: 10.11591/ijaas.v9.i2.pp85-92.
- [9] S. Kaushal and B. Buksh, "A study secure multi authentication based data classification model in cloud based system," *International Journal of Advances in Applied Sciences*, vol. 9, no. 3, pp. 240-254, Sep. 2020, doi: 10.11591/ijaas.v9.i3.pp240-254.
- [10] O. Yasar and T. Adiguzel, "A working successor of learning management systems: SLOODLE," *Procedia - Social and Behavioral Sciences*, vol. 2, no. 2, pp. 5682-5685, 2010, doi: 10.1016/j.sbspro.2010.03.928.
- [11] G. Guo and Y. Chen, "Lack of family education in boarding primary schools in China's minority areas: a case study of Stone Moon Primary School, Nujiang Lisu Autonomous Prefecture," *Frontiers in Psychology*, vol. 13, Jan. 2023, doi: 10.3389/fpsyg.2022.985777.
- [12] R. Ratra and P. Gulia, "Experimental evaluation of open source data mining tools (WEKA and Orange)," *International Journal of Engineering Trends and Technology*, vol. 68, no. 8, pp. 30-35, Aug. 2020, doi: 10.14445/22315381/IJETT-V68I8P206S.
- [13] D. R. P. Weiner, "Teaching about fascism(s): the relationship between fascist Italy and nazi Germany in Italian, West German, and East German textbooks, 1950-60," *Journal of Contemporary History*, vol. 58, no. 1, pp. 136-151, Jan. 2023, doi: 10.1177/00220094211063097.
- [14] J. Demšar and B. Zupan, "Orange: data mining fruitful and fun-a historical perspective," *Scopus Preview*, vol. 37, no. 1, pp. 55-60, Mar. 2013.
- [15] J. Demšar, B. Zupan, G. Leban, and T. Curk, "Orange: from experimental machine learning to interactive data mining," in *Knowledge Discovery in Databases: PKDD 2004*, vol. 3202, J.-F. Boulicaut, F. Esposito, F. Giannotti, and D. Pedreschi, Eds., in Lecture Notes in Computer Science, Berlin, Heidelberg: Springer Berlin Heidelberg, 2004, pp. 537-539, doi: 10.1007/978-3-540-30116-5_58.
- [16] M. Žáková, V. Podpečan, F. Železný, and N. Lavrač, "Advancing data mining workflow construction: A framework and cases using the Orange toolkit," presented at the *ECML PKDD 2009 - European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases*, Third Generation Data Mining: Towards Service-Oriented Knowledge Discovery, SoKDD 2009, Sep. 2009.
- [17] D. Vaishnav and B. R. Rao, "Comparison of machine learning algorithms and fruit classification using Orange data mining tool," in *2018 3rd International Conference on Inventive Computation Technologies (ICICT)*, Coimbatore, India: IEEE, Nov. 2018, pp. 603-607, doi: 10.1109/ICICT43934.2018.9034442.
- [18] S. Kodati, K. P. Reddy, G. Ravi, and N. Sreekanth, "Analysis of heart disease data using k-means clustering algorithm in Orange tool," in *Intelligent Manufacturing and Energy Sustainability*, A. N. R. Reddy, D. Marla, M. N. Favorskaya, and S. C. Satapathy, Eds., in Smart Innovation, Systems and Technologies. Singapore: Springer, 2021, pp. 417-423, doi: 10.1007/978-981-33-4443-3_40.
- [19] G. Kraljević, I. Krsić, and S. Gotovac, "Data mining techniques and applications in telecommunication systems," presented at the *MIPRO 2007 - 30th Jubilee International Convention Proceedings: Digital Economy - 4th ALADIN, Information Systems Security and Business Intelligence Systems*, 2007, pp. 257-261.
- [20] J. Demšar et al., "Orange: data mining toolbox in python," *The Journal of Machine Learning Research*, vol. 14, no. 1, pp. 2349-2353, Jan. 2013.
- [21] S. S. Alaoui, B. Aksasse, and Y. Farhaoui, "Data mining and machine learning approaches and technologies for diagnosing diabetes in women," in *Big Data and Networks Technologies*, vol. 81, Y. Farhaoui, Ed., in Lecture Notes in Networks and Systems, vol. 81, Cham: Springer International Publishing, 2020, pp. 59-72, doi: 10.1007/978-3-030-23672-4_6.
- [22] S. K. Sharma and M. Paliwal, "Overview of data mining with python modules," *The Instrumentation Engineering, Electronics and Telecommunications - 2021 (IET-2021): Proceedings of the VII International Forum, Izhevsk, Russian Federation*, 2023, p. 020070, doi: 10.1063/5.0101171.
- [23] A. Naik and L. Samant, "Correlation review of classification algorithm using data mining tool: WEKA, Rapidminer, Tanagra, Orange and Knime," *Procedia Computer Science*, vol. 85, pp. 662-668, 2016, doi: 10.1016/j.procs.2016.05.251.
- [24] P. Morreale, S. Holtz, and A. Goncalves, "Data mining and analysis of large scale time series network data," in *2013 27th International Conference on Advanced Information Networking and Applications Workshops*, Barcelona: IEEE, Mar. 2013, pp. 39-43, doi: 10.1109/WAINA.2013.92.
- [25] C. Turra, M. Dias de Lima, E. A. D. N. Fernandes, M. A. Bacchi, F. Barbosa, and R. Barbosa, "Multielement determination in Orange juice by ICP-MS associated with data mining for the classification of organic samples," *Information Processing in Agriculture*, vol. 4, no. 3, pp. 199-205, Sep. 2017, doi: 10.1016/j.inpa.2017.05.004.
- [26] P. Subathra, R. Deepika, K. Yamini, P. Arunprasad, and S. K. Vasudevan, "A study of open source data mining tools and its applications," *Research Journal of Applied Sciences, Engineering and Technology*, vol. 10, no. 10, pp. 1108-1132, Aug. 2015, doi: 10.19026/rjaset.10.1880.
- [27] D. J. Shastri, "Machine learning for non-programmers," in *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems*, Honolulu HI USA: ACM, Apr. 2020, pp. 1-3, doi: 10.1145/3334480.3375051.
- [28] S. Hosseini and S. R. Sardo, "Data mining tools -a case study for network intrusion detection," *Multimed Tools Appl*, vol. 80, no. 4, pp. 4999-5019, Feb. 2021, doi: 10.1007/s11042-020-09916-0.
- [29] H. Hertina et al., "Data mining applied about polygamy using sentiment analysis on Twitters in Indonesian perception," *Bulletin of Electrical Engineering and Informatics*, vol. 10, no. 4, pp. 2231-2236, Aug. 2021, doi: 10.11591/eei.v10i4.2325.
- [30] F. J. D. A. Angelino, S. M. C. Loureiro, and R. G. Bilro, "Analysing students' engagement in higher education through transmedia and learning management systems: a text mining approach," *International Journal of Innovation and Learning*, vol. 30, no. 4, 2021, doi: 10.1504/IJIL.2021.118875.
- [31] A. I. Adekitan, J. Abolade, and O. Shobayo, "Data mining approach for predicting the daily Internet data traffic of a smart university," *Journal of Big Data*, vol. 6, no. 1, Dec. 2019, doi: 10.1186/s40537-019-0176-5.
- [32] M. Žnidaršič, M. Bohanec, and N. Trdin, "Qualitative assessment of data-mining workflows," in *Fusing Decision Support Systems into the Fabric of the Context*, IOS Press, 2012, pp. 75-86, doi: 10.3233/978-1-61499-073-4-75.

BIOGRAPHIES OF AUTHORS






Mahsusi    born in Kediri on October 11, 1960. He obtained their undergraduate degree in Indonesian language education from UIN Syarif Hidayatullah Jakarta. He obtained their master's and doctoral degrees in management from the Faculty of Economics (FE) at Universitas Persada Indonesia YAI. He has significant experience in providing training and development for madrasahs (Islamic schools) in Indonesia. Currently, the author is a lecturer at the Department of Islamic Education Management at FITK UIN Syarif Hidayatullah Jakarta. He is also active in providing training in the field of human resource development for teachers, school principals, structural officials, and lecturers. The author is also actively writing in several academic journals, conducting research, writing books, and reviewing books and academic journals. His publications have been featured in journals such as Jurnal Andragogi (Ministry of Religious Affairs), Jurnal Smart (Balitbang Agama Semarang Journal), Al-Qolam (Ministry of Religious Affairs), and Jurnal Penamas (Ministry of Religious Affairs), as well as in several national and international conference proceedings. He can be contacted at email: mahsusi@uinjkt.ac.id.






Syihabul Huda    completed his undergraduate degree in Indonesian language and literature education at UIN Syarif Hidayatullah Jakarta in 2013, and later completed his graduate degree in language education at Universitas Negeri Jakarta in 2016. He is currently a lecturer at the Institute of Technology and Business Ahmad Dahlan Jakarta and also teaches part-time at UIN Syarif Hidayatullah Jakarta, UPN Veteran Jakarta, and Universitas Terbuka. He has published in nationally accredited journals, ranging from Sinta-1 to Sinta-6, and serves as a reviewer and editor for nationally accredited journals. He is also an active reviewer for the International Research Synergy Foundation and the Journal of Scientometric Research Q3. Furthermore, he has publications in internationally indexed Scopus journals and several scopus-indexed international proceedings. He can be contacted at email: syihaabulhuda@itb-ac.id and hudaasyihaabul@gmail.com.



Nuryani    born in Sragen on June 28, 1982, she completed their undergraduate degree in Indonesian language, literature, and regional studies education at Sebelas Maret University in Surakarta (UNS) in 2003. She later pursued a master's degree in linguistics at the Faculty of Cultural Sciences (FIB) at Gadjah Mada University (UGM) in Yogyakarta in 2009 and a doctoral degree in humanities studies with a concentration in linguistics at FIB UGM in 2013. Currently, she works as a lecturer in the Department of Indonesian Language and Literature Education at FITK UIN Syarif Hidayatullah Jakarta. In addition, she is actively involved as a writer in several scientific journals, a researcher, a book author, and a reviewer for books and scientific journals. Some of her published articles have appeared in journals such as Dialektika (UIN Syarif Hidayatullah Jakarta), Kembara (Muhammadiyah University of Malang), Adabiyat (UIN Sunan Kalijaga Yogyakarta), Kandai (Southeast Sulawesi Language Center Journal), AHKAM (FSH UIN Syarif Hidayatullah Jakarta Journal), and Ranah (Language Agency Jakarta Journal), as well as several national and international conference proceedings. She can be contacted at email: nuryani@uinjkt.ac.id.



Ahmad Bahtiar    born in Pedes, Karawang on January 18, 1976, he completed his undergraduate degree in Indonesian language and literature education at FKIP Pakuan University Bogor (1998) and later pursued a master's degree in Indonesian literature at UI (2006). He is currently completing his doctoral program in Indonesian language education at UNS. In addition to teaching Indonesian language and literature courses at UIN Syarif Hidayatullah, he also manages the Dialektika journal (Sinta 3) and AHKAM (Scopus) and serves as a reviewer for various national and international journals, as well as an assessor for national journal management (Sinta). Some of his research is related to Islamic literature, Indonesian literary history, and literary teaching. His books include Sejarah Sastra Indonesia (UIN Press Jakarta, 2011), Metode Penelitian Sastra (Pustaka Mandiri, 2013), Kajian Puisi (Unindra Press, 2013), Bahasa Indonesia Hukum (UIN Press Jakarta, 2016), Bahasa Indonesia untuk Perguruan Tinggi (2014), and Khazanah Bahasa Indonesia (Pustaka Mandiri, 2019). He can be contacted at email: ahmad.bahtiar@uinjkt.ac.id.