



Using of Visual Application in Arabic Language Learning Class X MAN 1 Kuantan Singingi

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ABSTRACT

This Article Is A Utilization Research That Really Needs Literacy And Reading Materials In Describing A Discussion, Which Is Through Knowledge Of The Background Of An Incident, And Relies On Research Methods. This Article Is About Using The Canva Application As A Medium For Learning Arabic, Which Was Conducted At MAN 1 Kuantan Singingi. Learning Media Is Something That Is Very Much Needed By Educators In Supporting Education, The Media Offers Many Conveniences For Its Users, Both Educators And Students. Plus During This Pandemic, Educators Are Required To Be Able Or Master About Media In Education. Especially In This Sophisticated Era, Not Only Educators, Even Everyone Is Required To Understand And Be Able To Use Technology Appropriately And Correctly, This Canva Application Is No Exception. Canva Is An Application That Can Be Accessed Via Mobile Phones, With Various And Interesting Features, With The Canva Application Both Educators And Students Can Use The Canva Application And Develop Their Own Creativity.

Keywords: *Arabic Language, Learning Classs, Visual Application*

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INTRODUCTION

In this modern era of progress, there are many developments in the era, both the development of technology, information, to developments in the field of education (Iswanto, 2017). If these developments are handled wisely, it will lead to positive changes, however, if these developments cannot be handled properly, it will certainly have a negative impact on human life. Developments should be faced with an open

attitude. The purpose of an open attitude is to accept the development of progress but by filtering the development. Not all developments are absorbed raw. Wisdom is a component that needs to be considered when facing the times. The field of education that has been affected by the times is no exception (Elnagar, 2020).

Talking about science and the development of technology, it is necessary to know in advance what the science and technology is. Science is a conscious effort in digging, seeking information in the realities of life in the world (Elnagar, 2020). With science can open the vision and horizons of the world Even science and knowledgeable people are very high in Islam is found in Q.S Al mujadalah: 11. Furthermore, regarding the development of technology, the development of technology is a term used to describe everything that helps people in collecting, managing and disseminating information. The development of technology can be seen and felt clearly at this time, for example, in conveying information is very easy with the various facilities available, no need to wait for days for the information to be conveyed (Nassif, 2021).

In line with the times, developments in the field of education were also followed. It can be understood that the development of the times is related to developments in the world of education, all are interrelated and elastic or relative. This means that it can be adapted to the times but not out of the corridor of the goals of education itself. Especially in this era of covid we are learning from home. Learning from home is very ineffective due to the lack of communication between educators and educators. This raises various problems in the teaching and learning process. One of them is the emergence of boredom in learning from students. The boredom was triggered because the condition of the learning class was ineffective and could not attract the interest of students (Balaha, 2021) besides learning from home made students neglect their duties. Students are more concerned with playing than paying attention to lessons, and when the learning process students cannot understand well what the teacher is saying, students are more likely to be confused by what the teacher has said. Especially when students do not get supervision from their parents. Then another effect that makes students bored is when they learn on their own and do not experience direct education from educators, and educators must understand the factors that can support learning during this pandemic, one of the factors that can support success (Abdullah, 2019).

To improve the quality of learning, educators need to master the elements of education. The elements in education include: students, educators, then the relationship between students and educators, educational materials and goals (Helmy, 2018).

Learners

Students are active individuals in various characteristics, which have a good reciprocity between students and educators, as well as students and educators. Therefore, educators must master the characteristics of their students, so that the material being taught can be conveyed and received well by students. Characteristics of students are influenced by the physical and emotional development of students (Al-Hassan, 2021). We can develop that students are immature human beings who have basic potential (fitrah) that need to be developed. Then students are also individuals who

have distinctive personalities and characteristics based on their growth and development, the growth and development of students is greatly affected by the surrounding environment, which is no less important that students are an important component in the education system. Because education will not run without students, as well as educators, students and educators are two important elements in education. If only one of the two is absent, it is certain that the education system will not work. Simply put, students are immature children, which children need other people who can guide and direct them to become mature individuals who are spiritual and intellectual (Astina & Toyibah, 2021).

Educator

Educators are a determining element in the learning process. Educators are an important part or component where the success of students depends on the efforts or responsibilities of educators, both intellectually, attitude, morally and physically students (Elouardighi, 2018)The role of educators is very influential in the educational process, especially with the current situation That all use technology, of course, educators must be more creative in building a classroom atmosphere that makes students interested in participating in the learning process. Educators are closely related to the learning atmosphere outside the classroom and in the classroom. Creativity given in the learning process can provide positive values and quality values for students, while the functions of educators can be grouped into 3 parts, namely: educators as planners, then as implementers and finally as managers. Why are educators called planners? Because, everything related to the development of students can not be separated from the planning of educators. Then educators as implementers, everything that has been planned by educators, must be carried out in order to achieve progress for the class and students. And educators as managers mean that all things that educators plan are then carried out, there must be someone who manages something, and this can be used as data that has been achieved and what has not been achieved (Watson, 2018).

Curriculum

The curriculum is a program in a school to coordinate all elements of the curriculum in the educational structure, the curriculum needs to be designed through clear, reactive and anticipatory concepts. The curriculum has a strategic position in the education system (Wahba, 2017). According to the opinion above, it can be concluded that the need for attention in planning to create a curriculum so that the planning objectives can meet the expectations and development of students. Talking about the curriculum, there are several areas related to the curriculum, namely: the field of study curriculum, the integration curriculum and the core curriculum. The functions of the curriculum are: (1) increasing curriculum resources (2) increasing fairness and opportunity for students to achieve the expected results (3) the occurrence of a state of transparency that is needed by students in the learning and teaching process in the

surrounding environment (4) Get participation from the community to support curriculum development (Abdelrazaq, 2018).

Since March 2020 the learning process has been stopped, because our country Indonesia is listed as one of the countries exposed to COVID-19, at that time learning was also converted to distance learning or online. This method was chosen to reduce the number of victims who were infected with COVID-19, and the impact was felt by the students, who used to learn face-to-face, now being transferred through the network. This is also a challenge for educators in adjusting learning through the network (Awad, 2018) not only that, educators must be more active and creative in monitoring the development of their students. The big challenge for educators is in adjusting the curriculum to suit current conditions, besides that educators must look for new strategies in the learning process. Not only that, of course, educators must change, plan and think about how the curriculum is in accordance with conditions when the pandemic is still hitting (Ombabi, 2020).

Some educators state that laptops, computers are media and distributors of various information. While the principle of the media is efficient and effective, meaning that it can save time and can stimulate educators' thinking when getting information from the media. At this time of the pandemic, both educators and students really need media in carrying out learning (Fitra et al., 2020) the media really supports educators in conveying various information to students, and vice versa, students also need media in receiving information conveyed by educators. . Based on the description above, the author will describe several types of media in supporting learning, with the hope that later they can be used to facilitate the learning process and can be used properly and appropriately (Ionescu, 2017)

One of the media used by educators and students to improve the learning process is to use the Canva application. The development of technology and information has an impact on life, including in the world of education (Guellil, 2017)with the current state of the world and coupled with the presence of the internet network, greatly assisting educators and students in the learning process, as well as the presence of the internet network changing the way Learn and teach. In addition to the development of the internet, there are many applications that we can use or take advantage of easily and help get things done, including the Canva application (Alomari, 2021)which is one of the applications that is widely accessed or utilized during distance learning. The Canva app is a generic and open app that can be used even for beginners. Not only that, the good news is that the Canva application can be used via mobile. Besides being known as a graphic design application, the Canva application has many uses and advantages, including: making posters, logos, making business cards and making promotional media and others (Baniata, 2018).

RESEARCH METHODOLOGY

Qualitative research method is a research method that does not use statistical data or numbers in research results. Qualitative research is a research that cannot be achieved

by quantitative methods. Qualitative research seeks to interpret the behavior and responses of objects with the perspective of the researcher. In this study, researchers used a qualitative research method (Boukil, 2018). The research method is the flow of the training carried out, in general the scenario research method is carried out in which there is a firmness (Samih, 2017). Meanwhile, if we refer to the nature of the research method, it can be said that the research method is an effort to find information from the object being studied, as for the way to find information from the object being studied is to establish good relationships and relationships with the surrounding environment, thus making it easier for us. In accelerating in getting info for the research ((Aljarah, 2021).

RESULT AND DISCUSSION

Arabic is one of the languages recognized by the world as an international language, besides that Arabic has a special position, especially in Indonesia. There are 4 factors that can improve proficiency in Arabic, namely: maharah kitabah, maharah qiro'ah, maharah kalam and maharoh istima'. All these factors are important components in fluency and proficiency in Arabic. These four skills are interconnected and cannot be separated. The first language proficiency is maharah kitabah, maharah kitabah is the ability to write in Arabic, maharah kitabah is very important in the process of learning Arabic (Elfaik, 2021)

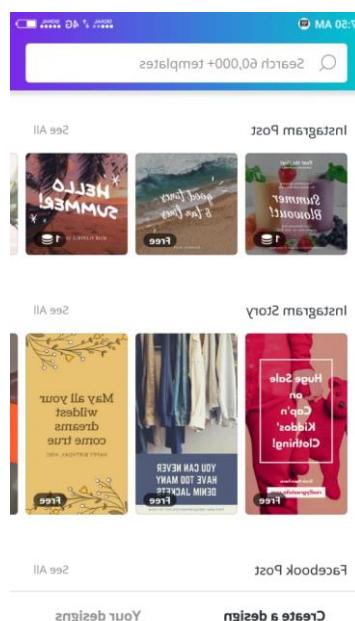
Many of the students find it difficult to learn Arabic, this is because they do not have a background in the Arabic language and do not understand the lessons delivered by educators. Because some students only learn but do not understand what they are learning. The current phenomenon needs to be noticed by teaching practitioners, especially in Arabic lessons, because Arabic lessons are mandatory lessons and educators must have proficiency in Arabic (Al-Salemi, 2019). For this reason, one way or method to support learning is how educators can make the best use of the network, educators can take advantage of applications that interest students during this pandemic, and can make it easier for educators to deliver lessons to their students. Here we will deepen the discussion about maharah kitabah, where maharah kitabah is one of the supporting factors in learning Arabic, besides this maharah kitabah trains students' skills in writing. We cannot deny that each student has their own expertise and skills, some are proficient in their kalam, some are in their qiro'ah, the book and their istima'. In this discussion, we are more inclined to maharah kitabah by utilizing applications that can support the anger of the kitabah, before we discuss it too deeply, it is better for us to know in advance why we should take the maharah kitabah as a discussion. Well, as for the reason why we have to be maharah kitabah, they are: As with other maharah, our maharah is one of the maharah that we cannot ignore, because writing has a relationship in the thought process that is expressed in written form, and delivered in good language, of course. This is closely related to what we have read (Suleiman, 2017) Writing is an important activity or skill in learning Arabic, if kalam or speaking is an active skill in communicating with others, then writing is an activity or skill in issuing thoughts. Brilliant that is poured into a writing, or it can be from these writings printed and made

into a book, from these writings we can make a scientific work. We can do writing without limits, meaning that we can do it anywhere (Balaha, 2021) we can do writing activities without making sounds, tones, expressions and so on. Writing requires thinking and a calm and comfortable atmosphere, a calm atmosphere can help bring out brilliant thoughts, as well as choosing an effective and logical language (Baniata, 2018). Canva. Before we get too deep into it, it's a good idea to first understand what this Canva app is all about. Canva is an online design application that has various features or programs such as posters, presentations, banners, pamphlets and so on. Then of course we also have to know the benefits of this Canva application, as for the benefits of the Canva application are various interesting and unique designs in it, which with these designs can increase the creativity of educators and students in designing learning media because of the many features that have been provided Then another benefit of the Canva application during this pandemic is as an alternative that makes it easier for educators and students during the teaching and learning process and can create student flexibility in accessing lessons (Bazi, 2019).

In addition to the benefits of the Canva application, we must also know the disadvantages of this Canva application, such as: the application name of course requires a network, and the Canva application includes applications that require a network, so that Canva application users must have a package to access the network, then design and teampet Have to pay means it is not provided just like that in other words no the features are not free. Of course this is a bit of an obstacle for students who want to use this Canva application (Aljarah, 2021)

Here are the features in the Canva app, in outline:

Figure 1. The Feathures in Canva

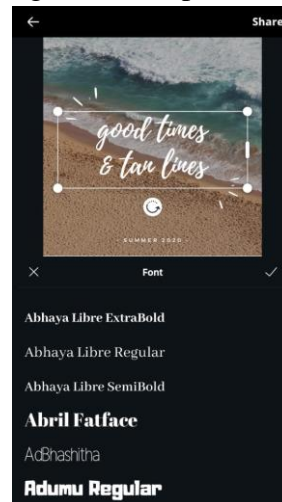


Ready-made Templates

Actually, we already know what a template is? Template is a model of a page or web based on the actual page and web. Due to the increasing number of web needs, one of which includes this Canva application (Omar, 2020)

The main factor that causes hundreds or even thousands of people to use it is the variety of templates available in it, although not all of them are free. However, most of it we can use for free, while the features that we can use for free are more than enough to help with teaching and learning purposes. The point is that no matter how much we use the features in the Canva application, it will not run out, even though we use different features. It's just a matter of how creative we are in developing these features.

Figure 2. Template look

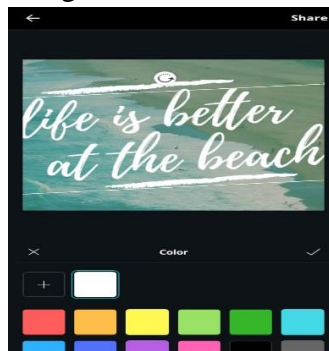


Font

A font is a typeface or typeface in the form of text that is used in certain text in a document. As for the use of this font, one of them is to set the type and shape of letters in the text or in the document (Baniata, 2018)

The next step after choosing a template is that we can change the letters according to our needs, this can cause interest to the reader when reading it. Fonts provide hundreds of shapes and types of fonts that we can choose and we use and then we can develop according to the wishes of each user.

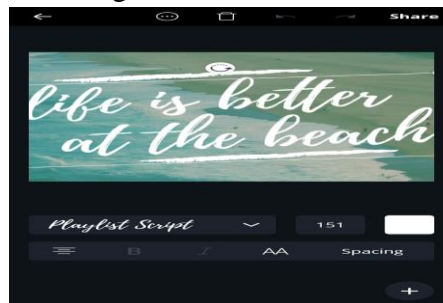
Figure 3. Canvas font



Color

As for the color feature, there are many color options that can be used, when we have determined the template, we can change the color in this color feature. There are many color choices in this feature, not just one or two color choices, and here also provides a variety of popular colors, such as: green, red, black and many others. If the letters have been changed, the user can also change the color of the text, and we can access all of that through the Canva application. This application offers many conveniences for its users, especially for educators and students.

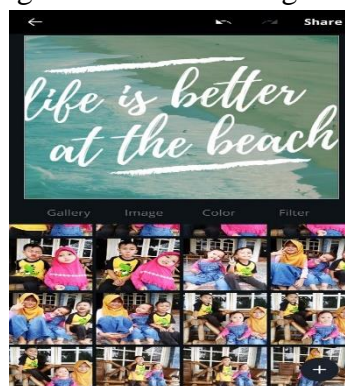
Figure 4. Canvas color



Background

This background is one part that should not be missed. Because the background can increase the appeal to the viewer. Background is a feature that is no less important in creating learning media, the use of interesting background can increase the learning interest of learners. Canva provides many features to beautify the display. And the background includes one of them.

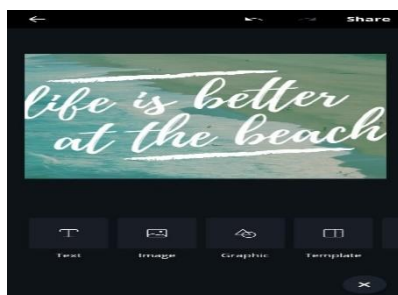
Figure 5. Canvas Background



Extra Content

Here we can choose according to our interests, because here we have provided various choices, it's just a matter of how we add and beautify what we make.

Figure 6. Canvas share feature

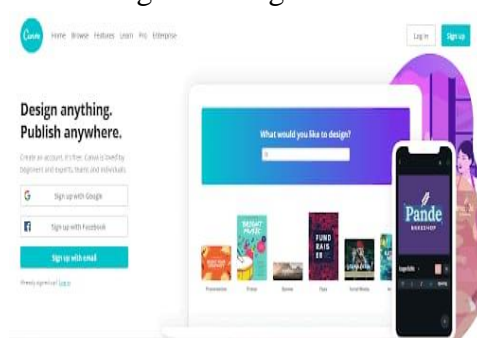


Share and Download

We can use the share feature to share our work with educators, for example, or to colleagues and we can share it on social media and there we can show the virtual world our work. It should be noted that before we share or share we are required to download it first, after the download is complete we can share it.

Here are more detailed Canva app features:

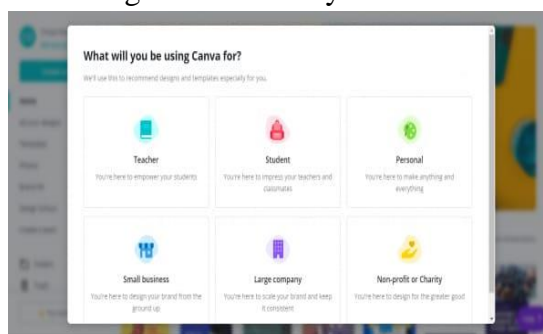
Figure 7. Login canva



Login to Canva

The first step we need to do, we need to have a Canva account. We can sign up or login at <https://www.canva.com>. And there are also procedures for Facebook, Gmail, as well as registration by performing the steps that have been set by the canva application, such as filling in personal data to create a canva account. Here is the link that can later make it easier for readers to find the link.

Figure 8. Choose your needs



Choose Your Needs

Here the Canva application offers convenience for users of this application, one of which gives us the opportunity to choose according to our needs and interests. After we login we are given the option to choose what we do with our joke account. Likewise

with other options, if you want to make posters or pamphlets, you can choose the features according to your needs.

Figure 9. Design type or template

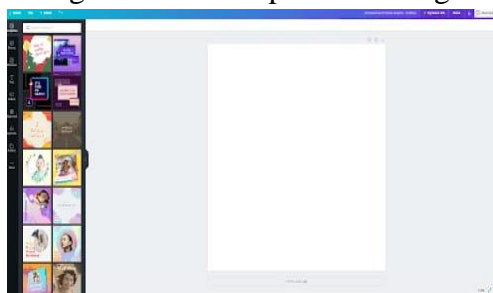


Demo and Design Type

After that we can choose the type of design that will be made, related to the previous discussion we can choose our graphic layout. Not only that, we can also make designs with various types of graphics. Because this feature has also provided various kinds of layouts with dimensions that have been adjusted to the platform. We just have to choose the one that is most suitable, some examples have been provided such as ebook documents and others.

For the example already shown above, just understand it.

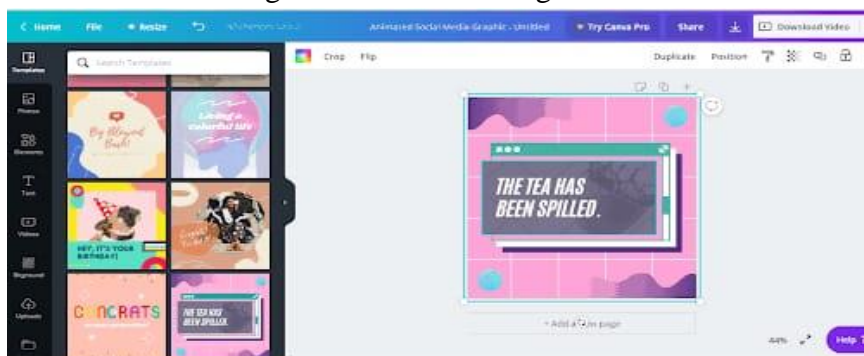
Figure 10. Select photo to design



Select the Image to Use

Consider the example above, there is a rectangle as a worksheet and lesson assignments that will be used as a design area later. With so many templates we don't have to start from the beginning because the canva application provides a variety of convenience for its users. Not only that here we also upload our own images. Then we can also develop a picture that has been made, or a picture that is a learning task.

Figure 11. Custom design



Custom Design

Here we can design according to our wishes, there are many features that we can tinker with here, one of which is where we can change the font shape, enlarge and reduce the image. Not only that we can also add photos according to our wishes and needs.

Get to know Canva Features

There are several design features in Canva that we can take advantage of, such as text and animation. Here we will discuss these features in more depth and detail.

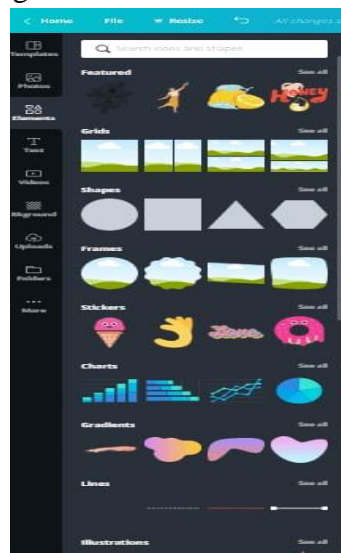
Figure 12. Text in canva



Text

Pay attention to the picture above, the picture above is an example of a text form, which with this text feature can access information that is in accordance with the image that we design or create. In other words, text is a discourse in which the discourse is in the form of writing delivered by the author of the article. It is very easy for users to convey information, which is made as attractive as possible with the aim of attracting readers to find out about the information we convey.

Figure 13. Animation in canva



Animation

In addition to text, we can also use animation. Well, the good news is the Canva application provides a variety of animations that we can collaborate with according to the wishes and text that we have chosen, let's look at the image above, we can add animations to suit our needs. Not only animation, we can also change the color

according to our needs. We can replace every component in this Canva application very easily. As for the image, we are offered to use the image that has been provided or we can use our own image. As for how to upload your own image by clicking uploads on the left of the screen then uploading the photo of your choice. It's quite as simple as using the Canva application, please for those who are curious about the Canva application, you can directly download or view the procedures that have been described in detail.

CONCLUSION

In the era of progress, where technological developments are increasingly rampant, followed by the emergence of applications that facilitate most of the affairs of mankind, plus we live in the 5.0 era where most of the affairs are accessed via the network, this changes some of the arrangements that occurred in the previous era, Our policies are needed in choosing and sorting in using the technology that has been provided. The Canva application is no exception, the Canva application is an application that still exists in helping and facilitating our affairs, including in the field of education. One application that can be used for both educators and students. The role of the Canva application on learning media in the 5.0 era is very strategic and effective, because it can be accessed anytime and anywhere. Of course, successors are very useful in dealing with technological developments that are full of obstacles and challenges.

REFERENCES

- Abdelrazaq, D. (2018). A machine learning system for distinguishing nominal and verbal Arabic sentences. *International Arab Journal of Information Technology*, 15(3), 576–584. https://api.elsevier.com/content/abstract/scopus_id/85050510418
- Abdullah, M. (2019). SEDAT: Sentiment and Emotion Detection in Arabic Text Using CNN-LSTM Deep Learning. In *Proceedings - 17th IEEE International Conference on Machine Learning and Applications, ICMLA 2018* (pp. 835–840). <https://doi.org/10.1109/ICMLA.2018.00134>
- Al-Hassan, A. (2021). Detection of hate speech in Arabic tweets using deep learning. In *Multimedia Systems*. <https://doi.org/10.1007/s00530-020-00742-w>
- Al-Salemi, B. (2019). Multi-label Arabic text categorization: A benchmark and baseline comparison of multi-label learning algorithms. *Information Processing and Management*, 56(1), 212–227. <https://doi.org/10.1016/j.ipm.2018.09.008>
- Aljarah, I. (2021). Intelligent detection of hate speech in Arabic social network: A machine learning approach. *Journal of Information Science*, 47(4), 483–501. <https://doi.org/10.1177/0165551520917651>
- Alomari, E. (2021). Covid-19: Detecting government pandemic measures and public concerns from twitter arabic data using distributed machine learning. *International Journal of Environmental Research and Public Health*, 18(1), 1–36. <https://doi.org/10.3390/ijerph18010282>
- Astina, C., & Toyibah, T. (2021). Penggunaan Media Permainan “Spelling Bee” Untuk Meningkatkan Keterampilan Menulis Bahasa Arab. *Lisanan Arabiya: Jurnal Pendidikan Bahasa Arab*, 4(2), 233–255. <https://doi.org/10.32699/liar.v4i2.1625>
- Awad, D. (2018). Arabic name entity recognition using deep learning. In *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* (Vol. 11171, pp. 105–116). https://doi.org/10.1007/978-3-030-00810-9_10

- Balaha, H. M. (2021). A new Arabic handwritten character recognition deep learning system (AHCN-DLS). *Neural Computing and Applications*, 33(11), 6325–6367. <https://doi.org/10.1007/s00521-020-05397-2>
- Baniata, L. H. (2018). A Neural Machine Translation Model for Arabic Dialects That Utilises Multitask Learning (MTL). *Computational Intelligence and Neuroscience*, 2018. <https://doi.org/10.1155/2018/7534712>
- Bazi, I. El. (2019). Arabic named entity recognition using deep learning approach. *International Journal of Electrical and Computer Engineering*, 9(3), 2025–2032. <https://doi.org/10.11591/ijece.v9i3.pp2025-2032>
- Boukil, S. (2018). Arabic text classification using deep learning technics. *International Journal of Grid and Distributed Computing*, 11(9), 103–114. <https://doi.org/10.14257/ijgcd.2018.11.9.09>
- Elfaik, H. (2021). Deep Bidirectional LSTM Network Learning-Based Sentiment Analysis for Arabic Text. *Journal of Intelligent Systems*, 30(1), 395–412. <https://doi.org/10.1515/jisys-2020-0021>
- Elnagar, A. (2020). Arabic text classification using deep learning models. *Information Processing and Management*, 57(1). <https://doi.org/10.1016/j.ipm.2019.102121>
- Elouardighi, A. (2018). A machine Learning approach for sentiment analysis in the standard or dialectal Arabic Facebook comments. In *Proceedings of 2017 International Conference of Cloud Computing Technologies and Applications, CloudTech 2017* (Vol. 2018, pp. 1–8). <https://doi.org/10.1109/CloudTech.2017.8284706>
- Guellil, I. (2017). Arabic Dialect Identification with an Unsupervised Learning (Based on a Lexicon) Application Case: ALGERIAN Dialect. In *Proceedings - 19th IEEE International Conference on Computational Science and Engineering, 14th IEEE International Conference on Embedded and Ubiquitous Computing and 15th International Symposium on Distributed Computing and Applications to Business, Engineering and Science, CSE-EUC-DCABES 2016* (pp. 724–731). <https://doi.org/10.1109/CSE-EUC-DCABES.2016.268>
- Helmy, M. (2018). Applying Deep Learning for Arabic Keyphrase Extraction. In *Procedia Computer Science* (Vol. 142, pp. 254–261). <https://doi.org/10.1016/j.procs.2018.10.486>
- Ionescu, R. T. (2017). Learning to identify Arabic and German dialects using multiple kernels. In *VarDial 2017 - 4th Workshop on NLP for Similar Languages, Varieties and Dialects, Proceedings* (pp. 200–209). https://api.elsevier.com/content/abstract/scopus_id/85032341994
- Iswanto, R. (2017). Pembelajaran Bahasa Arab dengan Pemanfaatan Teknologi. *Arabiyatuna : Jurnal Bahasa Arab*, 1(2), 139. <https://doi.org/10.29240/jba.v1i2.286>
- Nassif, A. B. (2021). Deep learning for Arabic subjective sentiment analysis: Challenges and research opportunities. In *Applied Soft Computing* (Vol. 98). <https://doi.org/10.1016/j.asoc.2020.106836>
- Omar, A. (2020). Comparative Performance of Machine Learning and Deep Learning Algorithms for Arabic Hate Speech Detection in OSNs. In *Advances in Intelligent Systems and Computing* (Vol. 1153, pp. 247–257). https://doi.org/10.1007/978-3-030-44289-7_24
- Ombabi, A. H. (2020). Deep learning CNN–LSTM framework for Arabic sentiment analysis using textual information shared in social networks. *Social Network*

- Analysis and Mining*, 10(1). <https://doi.org/10.1007/s13278-020-00668-1>
- Samih, Y. (2017). Learning from relatives: Unified dialectal Arabic segmentation. In *CoNLL 2017 - 21st Conference on Computational Natural Language Learning, Proceedings* (pp. 432–441). <https://doi.org/10.18653/v1/k17-1043>
- Suleiman, D. (2017). Deep learning based technique for plagiarism detection in Arabic texts. In *Proceedings - 2017 International Conference on New Trends in Computing Sciences, ICTCS 2017* (Vol. 2018, pp. 216–222). <https://doi.org/10.1109/ICTCS.2017.42>
- Wahba, K. M. (2017). Materials development in Arabic language learning and teaching: Realities, needs, and future directions. In *Handbook for Arabic Language Teaching Professionals in the 21st Century* (Vol. 2, pp. 232–252). <https://doi.org/10.4324/9781315676111>
- Watson, J. R. (2018). Language-learning strategy use by learners of Arabic, Chinese, and Russian during study abroad. In *The Routledge Handbook of Study Abroad Research and Practice* (pp. 226–244). https://api.elsevier.com/content/abstract/scopus_id/85092301440

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