https://journal.ypidathu.or.id/index.php/ijlai /

P - ISSN: 3026-7102 E - ISSN: 3030-8372

E - 155IN: 3030-837

# Utilization of VN Application as a Learning Media for Social Education at Elementary School Level

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#### ABSTRACT

**Background.** The downside of distance learning activities is that students lack enthusiasm, which results in disappointment in learning outcomes. The problem is due to the lack of tools and opportunities that are not maximized by educators during learning activities.

**Purpose**: The purpose of this study is to optimize the performance of VN applications to motivate and improve student comprehension skills in learning natural science at the elementary school level.

**Method**. The method used in this research includes direct field research which is a research method with a qualitative descriptive approach. Descriptive which describes the condition of students in classroom learning activities and makes the VN application and students as the object of research. This approach provides a real explanation of how much influence the utilization of the VN application to describe the learning material obtained in accordance with the learning design of the teacher.

**Results**. Based on the results of my research, the utilization of videobased learning media using the VN editor application has a positive impact on the learning process at the elementary school level.

**Conclusion**. Based on the discussion in this study, it can be concluded that the use of the VN application is very useful in the learning process of students at the elementary school level. Especially in this study on social science subjects.

#### **KEYWORDS**

Basic School, Learning Video, VN

#### **INTRODUCTION**

Education is an important foundation for the country. The most important part of demanding knowledge for all mankind, therefore education cannot be separated from human life (Wandl dkk., 2019). Education at this time has changed for the better from year to year. Education as a guide for humans to fulfill basic needs in life (Van Atteveldt dkk., 2019). Because education is the fulcrum of humans so that they can develop themselves into someone who has good behavior. Education is the foundation of the nation and state. Education is responsible for shaping a person's character and personality. The development of technology in the era of globalization

**Citation:** Rohmawaty, N. E., Wahyuni, S., & Ginarti, Ginarti. (2025). Utilization of VN Application as a Learning Media for Social Education at Elementary School Level. *International Journal of Language and Artificial Intelligence*, *1*(1), 63–75 https://doi.org/ 10.70177/ijlul.v1i1.561

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Received: September 30, 2023 Accepted: Oktober 21, 2023 Published: November 11, 2023



in this day and age is growing increasingly rapidly. The era of globalization with various forms of change, where the scope of educational life changes from era to era which has a certain addiction.

Especially in the development of technology this brings positive changes to improve the quality of education and the advancement of science as a new experience in the world of education (Goel dkk., 2021). This technology helps improve the quality of education better. In the development of this technology can be utilized to penetrate the field of education. Which aims to help students in the learning process. The learning process with the help of learning media helps creative teachers in channeling knowledge to students, so that they can achieve the desired goals (Abu Talib dkk., 2021) The learning process is not just channeling the knowledge that exists in the teacher to students, but the learning process is in line with shaping students to have their own knowledge.

In distance learning, the teacher's job is still required to be professional, the teacher's role in delivering material should be well received by students. The meaning of professional is someone's expertise in their field (Arrosagaray dkk., 2019). Especially teachers, in this case professional teachers are expertise in educating students. Efforts made by professional teachers in learning to utilize the VN application, teachers are required to be maximized in teaching preparation. So that teacher professionalism is proven by the success of the learning process (Peterson dkk., 2020). Teachers are not the only source of learning. However, many more learning resources such as the internet, books and learning media in particular. Can be found and downloaded on social media such as YouTube. Learners can explore knowledge from various sources. However, for at school the teacher is the only place to ask for students. Therefore, teachers must maximize all media and knowledge in order to convey good knowledge to students (Feizizadeh dkk., 2021).

In the learning process, the teacher should have a target so that learning goes according to the planning that the teacher has designed before teaching. One of them is by using learning media. Learning media acts as an intermediary in channeling teacher knowledge to students. The use of learning media makes it easier for teachers to communicate in distributing learning materials and helps in achieving learning success. The role of learning media is very important and necessary in the teaching and learning process. One of the roles of learning media is to provide space to motivate students to interact with learning resources (Jogezai dkk., 2021). Learning resources are materials to increase knowledge. Therefore, the utilization of learning media is important in the success of the learning process, including in this social education subject (Shishakly, 2021) Teachers must select the use of learning media that can be developed in such a way in the learning design that will be prepared by the teacher. Must pay attention to some of the characteristics that will be used from the media, so that learning becomes interesting and fun. If the media selection is right, learning activities become more active, because directly the senses of sight and hearing of students function to be more active. The role of learning media is to overcome boredom in learning and motivate students through media utilization (Barrantes Cáceres & Cozzubo Chaparro, 2019).

During the Covid pandemic, distance learning became an alternative for the continuity of the teaching and learning process (Queiroga dkk., 2020). Learning that is carried out online provides a new experience for all people including in the world of education. So that the learning process runs well, alternatives that can be used such as, zoom applications, whatsapp, google meet classrooms and so on. Distance learning appears to be something that makes students feel bored while learning (Queiroga dkk., 2020)... That way teachers can utilize the learning video editor application as a student education. Budiman, stated that utilizing technology aims to enable students to maximize their interests and talents, so that they can be developed in learning (Sahaya Sakila dkk., 2023). Learning media helps teachers' tasks lighter in explaining learning materials during a pandemic with

distance learning. Learning videos for elementary school children are certainly more focused on animated videos (Astuti dkk., 2021). This animated video is a combination of images and sounds with a children's theme. Social science learning can be related to everyday life. Social life in society is one of them. With video-based learning media, it can be created as much as possible, and help teachers to explain learning materials. Utilizing learning media by developing social science subject matter, VN applications have an important role where this technology can edit moving and sound videos, which will produce a combination of musical tones and images into an attractive display (L.-N. Shi dkk., 2022).

In this case, it is very helpful for the way students study because it affects the teaching and learning process. Explaining the weakness of distance learning activities is the lack of enthusiasm of students, which results in disappointment in learning outcomes (Pikhart dkk., 2023). Regarding this problem due to the lack of tools and opportunities that educators do not maximize during learning activities. States that learning activities should get good learning results, if students have enthusiasm for learning. Make participants motivated in learning (Parker dkk., 2021). Along with technological changes from year to year, there are advances in information and communication that require all life activities including in the world of education to follow. This technology provides solutions in the creativity of educators at work. One of them is a class teacher in elementary school (Huang dkk., 2022). Who utilize technological changes to assist activities in classroom learning. Classroom teachers utilize technology as a learning medium in the classroom. By using good technology, the learning process will be of high quality. Digital advances develop educational patterns in connecting between electronics over long distances.

The emergence of technology makes it easier for the world of education to find knowledge and sources of learning materials (Moriña dkk., 2023). Teachers are required to be able to master the ins and outs of technology in order to balance changes in science into the best version from year to year. However, there are still many teachers who are not familiar with the use of technology with the development of this globalization era. One of them is an elderly teacher or one who is approaching retirement (Lazar dkk., 2020). Where the era of teacher education used to be very rapidly changing at this time. Although teachers are required to use technology, it does not mean leaving the old learning methods. Therefore, for teachers who are not too proficient in technology can still utilize old methods (Haris Budiman., 2017). However, it will be more difficult because it has to control the classroom atmosphere to be maximized. And think harder about how to make class conditions not boring (Al Hashlamoun & Daouk, 2020).

Refreshing does not have to go on vacation, during the teaching and learning process, learning can also be done with refreshing such as games. Games for elementary school children, especially in the lower grades, cannot yet be demanded to learn in focus (Mélega & Targa, 2020). However, learning while playing so that it is not boring. Learning while playing in question is inseparable from learning objectives. For example, such as teachers inviting students to learn outside the classroom while delivering material based on the facts seen. In social material in social science subjects, teachers can invite students to leave the classroom and interact with everyone in the outside environment (Caiman & Jakobson, 2022). Socializing is not only focused on classmates. However, teachers can teach students how to socialize by greeting each other, telling stories and exchanging topics of discussion. If learning is carried out at school teachers can utilize direct contact games. If learning is done remotely teachers can utilize technology in the form of VN applications (Chau & Nasir, 2021). Which facilitates learning by making videos as interesting as possible. The resulting animated video is in the form of interaction images edited in the VN application. Where the teacher can add pictures of cards that dialogue with each other. And pictures

of people who socialize with each other like in the market environment. With the use of this learning media, the explanation is broader and the teacher can add a variety of examples that can be understood by students (Qoyimah, 2021).

The learning video made by the teacher is an animated video that is made as well as possible. Teachers channel all their intelligence in applying technology (Baadte, 2019). The video made is a collection of material explained in the form of images and sound, resulting in a moving and sound display. Videos made by teachers can be uploaded on social media such as YouTube. That way, teachers can easily share material links in existing WhatsApp groups. In viewing this video, students can activate memory when seeing and hearing learning. So that students can analyze the video by training how to see. And also train the brain in concentrating when listening to learning. Multimedia is the use of technological media to present a display of combined images and sound. Using multimedia can facilitate the teacher's performance in delivering material to students, so that students can add new knowledge through the display of facts (Trinh dkk., 2020). By using multimedia, learning activities can produce positive and meaningful learning (Park dkk., 2019).

Learning is a learning activity that is often found everywhere, especially in schools and universities. This learning activity gives everyone changes such as changes in attitude, behavior and changes in knowledge including mindset. Rahmatullah, states that educators are the fulcrum in shaping the quality of knowledge and understanding of educators in learning activities, as well as supporting the way of working in order to create satisfactory results (De Jong & Naranjo, 2019). The learning process certainly has a source, learning resources can be various, one of which is learning resources from books developed on learning media. Learning media is a component in learning that provides and displays a variety of teacher creativity. Introduction to science is a way of using in order to generate relationships between educators and students in learning activities. Examples of learning media from VN application technology have a way of editing learning resources into interesting animated videos in the learning process. The benefits of learning media in the learning process are to facilitate teacher communication with students in learning activities. In the delivery of material can be organized neatly and clearly. With more interesting learning media, learning activities become more improved and quality (L. Shi & Fan, 2023). This learning media creates a spirit of motivation for students in the learning process. By using video-based learning media, learning materials that are considered abstract become real. The activity of demanding knowledge is a dialog method in channeling learning material using tools for students.

Learning aids are something that is used in delivering material so that it can be listened to and observed by students, aiming for learning success. Video-based learning media is an alternative for the learning process (Dowling & Kitchener, 2023). One of the applications that become learning media is the VN video editor application which has a visual and sound display, and can insert images. This VN application is expected to help the learning process of social science at the elementary school level. Where the VN application has the advantage of channeling knowledge from teachers to students, facilitating the learning process with visual media, using an attractive video editor. However, this VN application also has a weakness in the time-consuming editing process. In selecting the design of learning arrangements that use learning material is basically very important. So that teachers can place the core and most important part of the learning material in the learning video that will be edited using the VN application. The types of filters found in the VN application include: custum, asthetic, creation, essence, dew, moon, mood, polaroid, music and movie. These filters can be set according to light exposure, contrast, brightness, saturation, vibrance, color temperature, vignette, sharpness, color, higlight, shadow and noise reduction. In making videos, teachers only need to use an attractive animated background, use text and images,

add sound and edit as interestingly as possible with features that can move such as black, white, spin in, spin out, rotary 01, rotary 02, blinking, zoom in, jump out, float, jump, lightning speed, fly this, zoom out, blink shading, float, decline, flip, widen, down rotation, down rotation, zoom in rotation, left down, right down, left down, right down, zoom out 02 and shake in. Teachers can also adjust the speed of motion of this learning video, as well as adjust the volume of the desired sound. If the teacher makes a video with an explanation voice and is accompanied by an interesting music tone, the teacher can lower the volume of the music tone and set the volume of the teacher's explanation voice at a high level of volume. So that the voice of the teacher's explanation of the material can go hand in hand with the tone of the music so that it is not contradictory. Learning media will also become more interesting for students when they see the creative video explanation of the material. The striking advantage of this VN application is that it has good editing features (Mudinillah dkk., 2022). Make it easy for teachers to distribute learning material in the form of new experiences for students. Increase the enthusiasm of teachers to think creatively in making learning media. And make the implementation of learning more fun.

Social studies learning is considered a subject full of difficult concepts because the material is abstract. So it requires teachers to create new ways of learning that make learning not boring. The lack of planning not only results in disrupted learning activities, but results in learning activities that are not maximized (Busalim dkk., 2021). Based on technological advances in the field of education, teachers must be able to utilize the VN application as a learning medium. The use of this learning media can focus the attention of students, because the most difficult thing in the learning process is to focus the attention of students so that they can focus on the learning being taught. In learning there is an evaluation process that is useful for knowing the extent of students' understanding. Therefore, a tool is needed to measure it, one of the tools used to measure the learning process on students' knowledge by means of evaluation. Evaluation is used by using feedback on the learning process and is useful as an assessment for the teacher. Because this assessment becomes a benchmark in learning using VN application media. With the use of tools in learning the learning adjustment process is helped for the success of learning activities in delivering learning material. Therefore, the motivation that students have in the learning process is different. Because the mindset is not the same. Especially in social science subjects, most students think that social science learning is just learning to socialize with the community. Actually, there is a lot of learning material in this social science subject. For example, the history of Indonesian independence. Where this material explains the process of the heroes fighting the colonizing countries that attacked our country. That way teachers can utilize VN application technology as a learning medium to explain the material creatively. The learning media used aims to channel factual knowledge, evoke memories when studying. For example, displaying a picture of the hero's journey during the war. Showing pictures of heroes who played a role in the war (Mudinillah dkk., 2022).

With the existence of video-based learning media in the learning process in science subjects, it helps teachers to convey learning material because it is not only focused on the usual method where teachers are more dominant in teaching with the lecture method. The lecture method which is focused on standardized and abstract explanations makes learning boring and monotonous. Therefore, the use of video-based learning media can arouse the enthusiasm of students in learning because it is interesting and fun. If teachers carry out their professional duties as educators, the learning process will be of high quality and education will be better. Teacher performance becomes the fulcrum in the learning process. For this reason, the role of the teacher is very important in the implementation of learning. Social science learning is related to the social world or daily life such as the environment and diversity. Therefore, the use of learning media can be related according to

social science material about the diversity of living things in my environment, the discussion can be related to rare animals or plants. Rare animals that are included in the protected animal group. Teachers can make video learning media by inserting images of protected animals, for example Komodo dragons. In editing the teacher makes the video background first and then inserts the image on the background. The utilization of the VN application as a learning media in social science subjects for students in elementary schools is taught as an educational media. To achieve the desired learning objectives.

In the learning process, if carried out properly, it will produce good and maximum achievements. If implemented poorly it will produce unsatisfactory results. Therefore, teachers must be able to fulfill the skills of students in order to produce interesting and fun results so that they can create a learning spirit for students. Learners' interest in learning is part of achieving learning objectives. In addition, interest in learning can affect the activities of studying. Learning design for the teaching and learning process is very influential on the success of learning. Therefore, teachers must sort out the media that will be used to support learning materials for the better. Learning is said to be successful if the teacher's maturity in preparing for learning is one of them by making learning media that is attractive to students. Students also feel comfortable with the learning methods that have been prepared by the teacher. Learning outcomes will be seen if the response from students is good. Teachers and students are required to be mutually active and participate in learning. Because during learning if the teacher does not prepare the learning material carefully, the response of students will not be good. Because students cannot be equalized in how to capture and understand learning material. Therefore, the teacher is responsible for making students have to concentrate during the learning process. If the teacher cannot control the class the resulting learning outcomes also do not reach the target that has been designed in the learning objectives.

Because the concentration of students is not nurtured from the beginning of learning. If the teacher has instilled how to concentrate on the learning process, the concept of concentration in learning will be embedded in students. In this case, there are students who are disciplined and willing to be directed to concentrate on listening and listening to learning. However, there must be students who have various forms of attitudes and behaviors that appear when participating in learning. This is where the responsibility of classroom teachers in elementary schools as controlling the classroom atmosphere during the learning process takes place. The duties of class teachers, especially in elementary schools, greatly affect the attitudes and behavior of their students. Because the process of instilling the attitude of students is located at the elementary school level. The teacher acts as a model that will be imitated both good and bad for students. Therefore, the fulcrum of learning is in the class teacher and in each subject to be taught. One of them in this study is focused on social science subjects. Where the class controller is the class teacher, the class teacher is the captain of the class in this elementary school. If the teacher can control the class and make the classroom atmosphere comfortable, then the teacher can maximize the results of the learning design that has been designed. And teachers can observe the development of students while learning in the use of VN applications that are useful for creating video-based learning media.

### **RESEARCH METHODOLOGY**

In this research, the method used in this research includes direct field research which is a research method with a qualitative descriptive approach (Adibelli & Korkmaz, 2022). Descriptive which describes the condition of students in classroom learning activities and makes the VN application and students as the object of research (Opotamutale Ashipala dkk., 2023). This approach provides a real explanation of how much influence the utilization of the VN application to

describe the learning material obtained in accordance with the learning design of the teacher. The purpose of this research is to make a real description of social knowledge and facts on the utilization of VN applications in learning media using data collection techniques from direct pretest results in the direct learning process. The test method used in this pre-test is in the form of direct question and answer with objective or multiple choice tests. This research was conducted during the learning process of social science subjects at the elementary school level.

# **RESULT AND DISCUSSION**

The development of technological progress in this era of globalization is very influential on the world. Especially in the world of education, which has changed the media in learning (Papadimitriou dkk., 2019). In ancient times, learning media seemed monotonous, mostly using only a blackboard. With the renewal of technology, new knowledge and experiences are created for teachers and students. As the purpose of this research, which utilizes VN application media as a social science learning media at the elementary school level. In the form of interesting and creative learning media so that it raises the motivation of students in the learning process. So that the success of learning reaches the target (Irwandy dkk., 2021).

Learning media is a tool used to channel and show material explanations. This learning media helps the continuity of the learning process (Neuman dkk., 2019). In the learning process there are several components, one of which is learning objectives. Learning media used in the learning process must pay attention to the learning objectives that have been prepared by the teacher. If the selection of learning media is well chosen, the learning process will be successful and achieve the desired learning objectives. The role of this learning media is so that it can help teachers in the learning process and have a positive impact on channeling the teacher's knowledge to students. So that students' insights increase and make students more motivated in participating in learning (Oh, 2019).

Using learning video media will be a solution to facilitate the implementation of the teaching and learning process. However, the learning media used must be in accordance with the learning objectives. Supported by the teacher's creativity in producing the video media. Therefore, teachers must pay attention to the learning that will be taught. Teachers must improve in developing the use of technology in making learning video media. If the teacher cannot increase the use of learning media, it will feel bored. However, if the teacher can improve the use of learning media well then, learning will achieve the desired target.



Figure 1

Based on the observations above, the VN application can be used in the form of text only, so if the teacher is only limited to explaining the material with writing it is fine. However, it would be great if the teacher utilizes the VN application with more interesting creativity. The selection of text color and text size can be adjusted according to the teacher's wishes. The arrangement of the text can also be arranged according to the beauty of the eye to make it neat. By utilizing learning media in the form of videos, it makes the choice of ideas by educators in teaching. Thus, learning media can be useful for continuing the distance learning process smoothly. Video-based technology is a tool that is used as an editing tool for videos of various variations, such as adding interesting templates, such as whiteboard bagrounds in the classroom, adding musical tones and voice explanations of material from the teacher. This easy application can be used for new pioneers (Mudinillah dkk., 2022).

Based on the results of learning media using the VN application, it can be seen that the learning process makes learning more fun and attracts the attention of students in learning. In this learning activity, it increases the motivation of students and arouses students to remember what has been learned. Teacher communication with students will run smoothly with the help of learning media. The material to be communicated while learning will be displayed on technology-based learning media using the VN application. The purpose of this learning media is to convey information messages about science learning materials from teachers to students. The advantages of using learning media in the learning process such as, how to get this VN application can be downloaded and installed using the user's smartphone and laptop. The VN application provides space to edit video-based learning media. The desired video can be made according to the user's wishes. One of them is a teacher who uses the VN application as a place to edit learning media with interesting images or animations. Not only has advantages, the use of this VN application also has disadvantages such as, how to save edits takes a long time. The use is only focused on making videos only. The use of this application does not provide templates for video creation. Apart from the advantages and disadvantages of this VN application, it does not reduce the utilization of the VN application as a learning media for social science subjects at the elementary school level.(Mudinillah dkk., 2022).



Based on observations in this case, teacher creativity must be developed in delivering subject matter, especially in social science subject matter. One of them is on the material of the diversity of living things in my environment. The teacher utilizes the VN application to deliver the subject matter. The teacher uses a whiteboard background that makes the atmosphere feel like a classroom. The teacher also inserts pictures when explaining which makes the situation feel real. In the learning material that discusses the diversity of living things in my environment, the teacher focuses on protected animals, one of which is the Komodo dragon. The teacher adds a komodo

dragon image to the background of the whiteboard that has been edited. The teacher also adds an explanation with the komodo dragon's explanatory text. Where komodo dragons can only be found in East Nusa Tenggara, (Komodo Island). It must be protected because the population is getting small. That way the learning is clearly organized

In this learning activity, teachers make the best use of the VN application. Where teachers channel their creativity in developing learning materials using VN application media. The teacher focuses the video appearance as if it were in the classroom. The teacher displays the teacher's face which aims to make students feel that there is a teacher who explains the learning material for real. The teacher adds a classroom background using a whiteboard image. The purpose of using a blackboard background makes it easier for teachers to explain material about protected animals such as dragons. With the support of the blackboard background, the teacher can insert komodo dragon images on the blackboard and add material explanations with text points from the material. Added with the voice of the teacher's explanation and additional musical tones as support to add to the teacher's creativity in creating learning media results that attract students in participating in learning even at a distance.

This utilization research is an observation in learning activities using the VN application, utilizing the current developing technology to make teachers produce creative video-based media. In the learning process, the learning media used should make it easier to display materti. Therefore, one way to utilize the media is by using the VN application. Utilizing learning media is used as a support in learning activities. Video as a learning media can display social science subject matter that is known to be difficult to turn into fun for students. Because the learning media is made as well as possible with as interesting as possible so that it can be well received by students. Creative video can be said to be a positive media that leads to the interest of students. Thus, this study will try to improve the learning process properly. Developing this improvement is a creative video on social science subjects with VN applications.

There are many learning media sources that make it easier for teachers to carry out learning steps. However, in teacher and student books there is only ordinary media, there is no video media. That way the class teacher only plays a role in delivering the material well. All that is required is teacher creativity in managing it. Moreover, there is already technology in helping to simplify the teacher's task. With the imagination developed by the teacher makes teaching and learning successful. Therefore, learning will foster a memorable meaning for students. That way the utilization of the VN application will feel useful when the success of learning itself is created in real terms. Thus, through the use of learning media is expected to improve the quality of education in the learning process.

The learning process equipped with learning media as a development of learning materials makes learning materials neatly and clearly organized. So that focused learning media for learning purposes will achieve the desired success. Successfully overcome various obstacles such as, the observation of students who are not the same. The understanding of students cannot be equalized, because there will definitely be differences in the way of understanding the material conveyed by the teacher. That way with the use of video-based learning media coupled with audio visuals, the understanding of students will be neatly conceptualized and make students' memory active when evaluating learning materials.

# CONCLUSION

In the conditions of the Covid 19 pandemic, teaching activities are carried out online, or learning is carried out remotely. So that it makes communication limitations between teachers and students in the learning process. Therefore, the world of education must find solutions and alternatives to this problem. With the current technological advances, it can facilitate communication between teachers and students using technology, such as whatsaap, youtube, classroom, and so on. The utilization of video-based learning media using the VN editor application has a positive impact on the learning process at the elementary school level. based on the discussion in this study, it can be concluded that the use of the VN application is very useful in the learning process of students at the elementary school level. Especially in this study on social science subjects. In the learning process in social science subjects, utilization can be felt when using learning media that is interesting and fun and creates motivation for students to take part in the learning process. Video-based learning media that displays a variety of images supported by explanatory sound and musical tones that accompany the video.

The advantages that can be utilized from this VN application in the learning process of social science subjects such as, increasing the motivation of students in understanding the material, because it is supported by interesting animated images. In the direct assessment process the teacher observes a positive change. Where students are more focused and fun. Learners can also activate memory while learning, by displaying moving and sound videos, students can train their eyes when looking at moving images. And train the brain in listening to learning when hearing the sound of explanation. However, the VN application also has disadvantages such as when saving edits that take a long time. Apart from the advantages and disadvantages of the VN application, the utilization of learning material development in social science subjects can be used properly. Helps success in achieving learning objectives. Because the key in the learning process is teacher creativity, how teachers must maximize their performance as educators.embering a statement that what is expected, as stated in the "Introduction" can finally result in "Results and Discussion", so that there is compatibility. In addition, prospects for the development of research results and prospects for the application of further studies can also be added. Avoid statistical data and provide recommendations for future research based on sources.

# **AUTHORS' CONTRIBUTION**

#### Look this example below:

Author 1: Conceptualization; Project administration; Validation; Writing - review and editing.

Author 2: Conceptualization; Data curation; In-vestigation.

Author 3: Data curation; Investigation.

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