

Title : NEURAL NETWORK, THE BEST CHOICE OF METHOD IN OPTIMIZING
DIALOGUE METHOD, ONLINE TELECOMMUNICATION MEDIA, NOVELS, OR
EDUCATION TO PROMOTE PEACE AND TOLERANCE

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NEURAL NETWORK, THE BEST CHOICE OF METHOD IN OPTIMIZING DIALOGUE METHOD, ONLINE TELECOMMUNICATION MEDIA, NOVELS, OR EDUCATION TO PROMOTE PEACE AND TOLERANCE

T. Henny Febriana Harumy

1.1 BACKGROUND

Today, crisis in peace and tolerance is commonplace; it is indicated by a lot of wars throughout the world such as between the Palestine and Israel, between North Korea and South Korea, etc. Tolerance among religious followers has still been a big problem. The claim of a certain religion that it is the best and the right one, has encouraged its followers to be bigoted and to force their belief on the other people of different religion. Tragically, they force it by violent action which causes other people to suffer losses and to die.

The phenomenon of violence among adherents of religion occurs nearly all over the world.¹ September 16 is established as the International Tolerance Day by the United Nations Educational, Scientific, and Cultural Organization (UNESCO) of the United Nations, on September 16, 1995. UNESCO adopted Declaration of Principles on Tolerance – a declaration which reemphasizes the importance of promoting and guaranteeing tolerance in order to ward off prejudice and hatred (Ban Ki-Moon, the Secretary General of the United Nations, in his message on the Tolerance Day Celebration, in 2011). Prejudice and hatred are always triggered by our incapability of accepting sociological facts in pluralism. There are many aspects around us which are given to us as varied and divergent aspects: tribes, religion, races, political orientation, etc. Therefore, our task is to recognize and support them.

By recognizing and supporting them, a difference is not a differentiator which creates marginal persons only because of different point of view. The principle of tolerance is by appreciating pluralism and recognizing human rights. Pluralism is not only a fact but also a need. By positioning pluralism as a need, we will continuously make an effort to make it different. The way of life in tolerance should become one of the bases and the way we live together. The important characteristic of tolerance condition throughout the world today is passive tolerance or it is usually called co-existence (lazy tolerance) which means living together peacefully but ignoring one to another since they think that “your problem is yours”, “my problem is mine” (mine your own business!). This kind of tolerance almost does not contribute energy to the reinforcement of social cohesion. In order to create a strong tolerance, this passive tolerance should be improved to become active-progressive one which it is usually called pro-existence. In this condition, every different social element (Tribe, Religion) will strengthen and empower one to another; for example, in the participation in religious holidays, working together in mutual cooperation in setting up houses of worship, etc.² In living in a country with diversity, according to Alwi, we have to respect differences and must not necessarily criticize other people who have different viewpoint. He further points out that tolerance means that we have to be able to appreciate other people in their thought, idea, and belief.

¹<https://ahmadgaus.com/2012/11/06/toleransi-agama/> accessed on December 26, 2017

²<https://ahmadgaus.com/2012/11/06/toleransi-agama/> accessed on December 26, 2017

Basically, people's lack of tolerance is because their lack of knowledge about the importance of tolerance in the developing and developed countries to create peace. In fact, if tolerance is not heeded, it can cause wars among the people which will eventually have the impact on their psychological, cultural, and economic condition.

The same point of view is also pointed out by the President of WALUBI (Widya Sabha of the Indonesian Budhists Representation), Suhadi Sendjaya, who says that the problem of tolerance occurs because of the lack of awareness of social relationship and of national life. Any problem in tolerance which leads to a conflict should be agreed in consensus that it is not a religious problem, as Suhadi points out that "...any religion, including Islam, does not teach people to do violent action. If there is a violent action, it is not done by adherents of Islam but by individuals." When there is someone who violates religious doctrine, he confirms, the religious scholars should become the exemplars who provide guidance.

Every community should keep their religious reputation; therefore, their bad behavior and action will harm its image. According to Suhadi, people are taught not only how to worship their God but also how to get religious doctrine and guidance in understanding their religion completely. He concludes that "...one of the most important efforts to keep the harmony among adherents of religion is by performing good communication and dialogues."³ However, this effort is considered not maximal since tolerance among adherents of religion has still been in problem. The claim on the superiority of a certain religion over the other religions has motivated its followers to force their viewpoint; they become bigoted and look down upon other religions. Tragically, their claim is spread by violent action which makes other people lose their property and life. The phenomenon of violence among adherents of religion occurs almost throughout the world.

This case seems to become an endless problem. Today, there are numerous methods which are developed to promote peace and tolerance; they, among others, are dialogue method, conveying oration through online telecommunication media, moral messages through novels, implementing education through schools, and many others. However, from the four methods above, one of them has to be the best and accurate method in promoting effective peace and tolerance which provides significant impact on its receivers. In this case, the writer did a research on how to optimize the best method by using Algorithm Neural Network to determine the best method of the four methods above to promote peace and tolerance and how to implement it in the field and its impact on people.

1.2 FORMULA OF THE PROBLEMS

The formula of the problems in this research was as follows:

1. Why was the research project which determined the best method of the for methods – dialogue method, conveying oration through online telecommunication media, moral messages through novels, implementing education through schools as the promotion of peace and tolerance innovative?

³<http://khazanah.republika.co.id/berita/dunia-islam/islam-nusantara/16/08/04/obdxo1313-problem-of-tolerance-due-to-lack-of-knowledge>, accessed on December 26, 2017

2. How innovative did the research project which determined the best method of the four methods – dialogue method, conveying oration through online telecommunication media, moral messages through novels, implementing education through schools as the promotion of peace and tolerance?
3. How to implement the best method from the result of the research in determining the best method of the four methods - dialogue method, conveying oration through online telecommunication media, moral messages through novels, implementing education through schools as the promotion of peace and tolerance in the field?
4. How was the impact of the best method from the result of the research for people?

1.3 THE DATA USED

The data were primary data which were gathered by using questionnaires distributed randomly to the people with the case study in North Sumatera, Indonesia. There were 30 packs of questionnaire as the samples of the research in order to find out people's perception in selecting the best and effective method in promoting peace and tolerance. The next stage was that the 30 samples were processed to determine the best methods, and finally the method was implemented in the field to find out its effect.

1.4 URGENCY OF THE PROBLEMS

The urgency of the problems in this research project is that today there are a lot of methods which can be used to promote peace and tolerance such as dialogue method, conveying oration through online telecommunication media, moral messages through novels, implementing education through schools. However, it is very difficult to determine the best method in promoting peace and tolerance which has significant impact on people. Therefore, Neural Network helps determine the best method; if the most important method has been determined, it can be used to be the solution for all people to promote tolerance and peace in the world, starting from the optimization of the most urgent variables.

1.5 OBJECTIVE OF THE PROPOSED CONCEPT

The objective of the proposed concept was as follows:

1. To find out and to analyze the research project in determining the best method of the four methods - dialogue method, conveying oration through online telecommunication media, moral messages through novels, implementing education through schools as the promotion of innovative peace and tolerance;
2. To find out and to analyze the research project in determining the best method of the four methods - dialogue method, conveying oration through online telecommunication media, moral messages through novels, implementing education through schools as the promotion of innovative peace and tolerance;
3. To find out and to analyze the implementation of the best method from the result of the research in determining the best method of the four methods - dialogue method, conveying oration through online telecommunication media, moral messages through novels,

implementing education through schools as the promotion of peace and tolerance in the field;

4. To find out and to analyze the impact of the best method from the result of the research for people.

CHAPTER II: THEORY

2.1 PREVIOUS RESEARCHES

There were some previous researches which supported this research. One of them was a research conducted by M.Pd, Mozaik, Volume V Number 1, January, 2010 with the title, “Menciptakan Perdamaian melalui Pendidikan Perdamaian di Sekolah” (Creating Peace through Education at Schools). The result of this research showed that there were three alternatives of education which could promote tolerance and peace. The first alternative was education which was focused on supporting peace through educational institutions (schools and universities), especially on coping with important problems and inclination in society. The second alternative was that education on peace taught at schools could be done individually in a special lesson or it could be taught through the existing lessons. The third alternative was that education on peace could be taught through extracurricular group activities. Generally, schools (especially high schools) have some extracurricular activities such as sport, drama, art, scientific groups, etc.⁴

Another research was a research conducted by Imam Mulyana Irawati Handayani in *Jurnal Cita Hukum*, Volume II Number 2, December 2, 2015. Issn; 2356-1440 with the title, “Peran Organisasi Regional dalam Pemeliharaan Perdamaian dan Keamanan Internasional” (The Role of Regional Organizations in the International Peace and Security Keeping). The international law has organized a number of mechanisms in Settling Conflicts among the nations throughout the world. The mechanism of settling international conflicts should use peaceful method as the principal approach. Nevertheless, when a peaceful method cannot settle a conflict, the United Nations Assembly can use forceful method, especially when it threatens international peace and security. The United Nations Charter also organizes the role of Regional Organizations, especially those that play the role in performing international peace and security keeping. However, international regulation on this activity has not yet organized, especially in the scale and mechanism of its responsibility.⁵

Another research was conducted by Zakiyuddin Baidhawiy in *Analisis: Jurnal Studi Keislaman*, Volume 14, Number 2, December, 2014 with the title, “Pendidikan Agama Islam untuk Mempromosikan Perdamaian dalam Masyarakat Plural” (Islamic Education for Promoting

⁴Taat wulandari, M.Pd , Menciptakan Perdamaian melalui Pendidikan Perdamaian di Sekolah dengan hasil penelitian MOZAIK, Volume V Number 1, January 2010

⁵Imam Mulyana &Irawati Handayani *Jurnal Cita Hukum*. Vol. Ii No. 2, December 2015. ISSN: 2356-1440: Peran Organisasi Regional Dalam Pemeliharaan Perdamaian Dan Keamanan Internasional

Peace in a Plural Society). The result of this research showed that the curriculum of the Islamic education has a content which was aimed to instill co-existence and peace education. It was found that, one third of the teachers and students reported that there was tolerant attitude toward different religions. The finding was followed by a pilot project to develop the Islamic-based Education on Peace which was aimed to develop the character of love for peace in youth through the teaching of mutual respect, non-violence, social justice, and co-existence, by using the Islamic values.⁶

Nyang defined a dialogue, in this context a dialogue of inter-beliefs, as a process in which two religious communities attempted to bridge them in responding to various basic problem of life, either individually or collectively. The dialogues were directed to provide better understanding about the differences in belief, rituals, behavioral pattern, and attitude toward each other.⁷

Buber⁸ points out that a true dialogue indicates an essential aspect of human soul in which each individual or group will listen and respond to one another seriously which connect them one to another. Mandour points out that in the post 9/11 Event, dialogues among adherents of religion became the main facility in bridging various ideological differences in a modern society, especially with their diversity of identities and religious pluralism which were established by globalization. The 9/11 Event had negative connotation of terrorism which was identical with Islamic fundamentalism, and thus religious fundamentalism was understood as a negative conception. Therefore, dialogues among the adherents of religion can only be achieved when different religious followers are willing to talk so that they will have mutual understanding, find similarity of views, and appreciate differences and individual rights.⁹

Dialogues among adherents of religion have become the facility for better mutual understanding among them in promoting peace, but they also need progress from the outsiders to explain the misconception and mutual understanding among them. In other words, fundamental understanding about the sense of religious tradition is highly needed.¹⁰ A dialogue enables adherents of a certain religion to “consider more deeply” other beliefs which are different from theirs so that they can review their assumption on one to another. Dialogues among adherents of religion can be started with self-definition, a process in which a community convey their belief and understand their commitment in believing the religious tradition better. The process of self-definition needs not only willingness of a certain community to convey their belief but also the willingness of their dialogue partners to accept the self-definition.¹¹

⁶Zakiyuddin Baidhawyanalisis: *Jurnal Studi Keislaman*, Volume 14, Number 2, December 2014, Pendidikan Agama Islam Untuk Mempromosikan Perdamaian Dalam Masyarakat Plural

⁷Takim, Liyakatali. 2004. “From Conversion to Conversation: Interfaith Dialogue in Post 9-11 America”, in *The Muslim World*. Hoboken: Wiley. Vol. 94, pp. 2004, 345

⁸(Takim, Liyakatali. 2004. “From Conversion to Conversation: Interfaith Dialogue in Post 9-11 America”, in *The Muslim World*. Hoboken: Wiley. Vol. 94, pp. 346),

⁹(Mandour, Tayseir M. 2010. “Islam and Religious Freedom: Role of Interfaith Dialogue in Promoting Global Peace”, in *Brigham Young University Law Review*. Provo: Brigham Young University Press. pp. 886

¹⁰(Takim, Liyakatali. 2004. “From Conversion to Conversation: Interfaith Dialogue in Post 9-11 America”, in *The Muslim World*. Hoboken: Wiley. Vol. 94, pp. 346.

¹¹Takim, Liyakatali. 2004. “From Conversion to Conversation: Interfaith Dialogue in Post 9-11 America”, in *The Muslim World*. Hoboken: Wiley. Vol. 94, pp. 346-7.

Dialogues among adherents of religion have created religious communities in a **discourse**. There are five important aspects in creating trust among the communities. The first aspect is recognition and equality basis. Recognition of the existence of other people is needed since ignoring them will not underlie equality-based interaction and create trust. Enforcing the pattern of submissive-domination interaction will never lead to rejection against other religious values.¹² The second aspect is mutual respect. Recognition will be not enough without respecting other people's religion, belief, faith, values, tradition, and various cultural characteristics. A dialogue is intended to understand other people's position, belief, and characteristics which can correct various kinds of misunderstanding and find various similarities among those who perform dialogues.

The fourth aspect is tolerance. It can be achieved by performing dialogues which promote the exchange in culture, mutual understanding, and peaceful co-existence. The fifth aspect is cooperation. Dialogues among adherents of religion have great effect on the existence of tolerance and reconciliation which create world peace. However, there are various challenges against dialogues among adherents of religion, due to misunderstanding and previous stigma among them. It can be seen from the prejudice of the Moslems who consider that a dialogue is only an implicit means of evangelism. The Moslems who are afraid of being influenced think that the Christians are not dialogue partners but as a threat which has to carefully considered. The Moslems also think that other adherents of religion are wrong in understanding their beliefs. On the other hand, they do not accurately understand other religious beliefs and practices such as Christian and Judaism. The misunderstanding occurs not only among Islam, Christian, and Judaism, but also in the interaction with the other religions. The difference in identity from the reality among adherents of religion also becomes the obstacle in performing dialogues among belief, equality, and mutual respect. Besides that, the increase in people's awareness of the involvement of other religious communities in dialogues and initiation and the activity of the community members in realizing favorable dialogues among adherents of religion are highly needed.¹³

¹²Mandour, Tayseir M. 2010. "Islam and Religious Freedom: Role of Interfaith Dialogue in Promoting Global Peace", in *Brigham Young University Law Review*. Provo: Brigham Young University Press. pp. 888),

³(Takim, Liyakatali. 2004. "From Conversion to Conversation: Interfaith Dialogue in Post 9/11 America", in *The Muslim World*. Hoboken: Wiley. Vol. 94, pp. 349-50.

CHAPTER III DISCUSSION

1.1 Problems

There are few methods used for promoting peace and tolerance such as; dialog, online telecommunication, novels, and education. These methods are referred to various literature reviews and prior researches. These methods are taken as variables analyzed as inputs and determined the best methods represented as the mapping below;

X1 = Dialog
X2 = Online Telecommunication Media
X3 = Novel
X4 = Education

The four variables will be analyzed by Neural Network Analysis. Below is the variable analysis process;

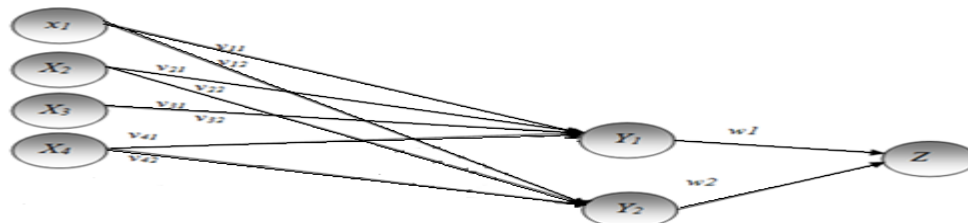
1. Data Collection Method and Analysis

Data Collection Method

The next step, after the network architecture is determined, is to take the collected data. The meta-data collection method is analyzed by using back-propagation algorithm as part of Artificial Neural Network Architecture which consists of;

- The input layer with four nodes (x_1, x_2, x_3, x_4)
- Hidden layer with nodes defined by the user, one node or one hidden node with two neurons (y_1, y_2).

Output layer with one node is the accuracy of selecting the best node used as added value of a product (Z). The picture below illustrates the network architecture;



Picture 1. Network Architecture *Backpropagation*

Remarks :

X = Input, V =Weight at hidden layers, W = Weight at output layers, V_n = Total net of unit analysis at hidden layers, W_b = Bias at the hidden and output layers, Y = Output, $J= 1$ to $4, Y_d= 0$

1. Step by step Artificial Neural Network Back propagation

The learning Algorithm for Artificial Neural Network Back propagation is as follows

Step 0 : Initializing weight with small random value.

2. Step by step Artificial Neural Network Back propagation

The learning Algorithm for Artificial Neural Network Back propagation is as follows¹⁴

Step 0 : Initializing weights with small random values.

Set learning rate α ($0 < \alpha < 1$)

Step 1 : Repeat step 2 to 9 if the terminated condition is not met.

Step 2 : For each training set, undergo step 3 to 8.

Feedforward:

Step 3 : Every input of neuron ($X_i, i=1,2,3,\dots,n$) receives input x_i and transmits the signals to all neurons to the upper layers (hidden layers).

Step 4 : The input value of hidden neuron ($Z_j, j=1,2,3,\dots,p$) is calculated by using the weight value :

$$z_in_j = \sum_{i=1}^n x_i v_{ij} \dots \dots \dots (1)$$

Then the output value is calculated using activation function:

$$z_j = f(z_in_j) \dots \dots \dots (2)$$

The activation function used is Sigmoid biner with equation : $f(x) = \frac{1}{1+e^{-x}}$

The calculation of the function is transmitted to the upper layer of all neurons.

Step 5 : The input value of each output neuron ($Y_k, k=1,2,3,\dots,m$) is calculated with its weight value: $= w_{ok} + \sum_{i=1}^p z_i w_{jk} \dots \dots \dots (3)$

Then the output value is calculated using activation function

$$y_k = f(y_{in_k}) \dots \dots \dots (4)$$

Neural network Backpropagation:

(Calculation of Error) :

Step 6 : Each output neuron ($Y_k, k=1,2,3,\dots,m$) receives target pattern in accordance with the pattern of the input. The error information is calculated:

$$= (t_k - y_k) f'(y_in_k) \dots \dots \dots (5)$$

After that, calculate the weight value correction to update the value of w_{jk} :

$$\Delta w_{jk} = \alpha \delta_k z_j \dots \dots \dots (6)$$

Calculate the bias value correction to update the value of w_{ok} :

$$\Delta w_{ok} = \alpha \delta_k \dots \dots \dots (7)$$

Then the value of δ_k is transmitted to neuron to the upper layers.

Step 7 : For each hidden neuron ($Z_j, j=1,2,3,\dots,p$), delta input of neuron on the upper layer is calculated:

$$\delta_in_j = \sum_{k=1}^m \delta_k w_{jk} \dots \dots \dots (8)$$

Then the value is multiplied by the derived value of the activation function to calculate the error information:

¹⁴ M.F. Andrijasadan Mistianingsih, 2010, *Penerapan Jaringan Syaraf Tiruan Untuk Memprediksi Jumlah Pengangguran di Provinsi Kalimantan Timur Dengan Menggunakan Algoritma Pembelajaran Backpropagation* jurnal informatika mulawarman Kalimantan Timur.

$$\delta_j = \delta_{in_j} f'(z_{in_j}) \dots\dots\dots (9)$$

Calculate the weight value correction which is used to update v_{ij} :

$$\Delta v_{ij} = \alpha \delta_j x_i \dots\dots\dots (10)$$

And calculate the bias value correction to update v_{oj} :

$$\Delta v_{oj} = \alpha \delta_j \dots\dots\dots (11)$$

Update the weight value and bias value.

Step 8 : Every weight and bias values ($j=0, \dots, p$) of output neuron ($Y_k, k=1, 2, 3, \dots, m$) is updated :

$$w_{jk}(\text{new}) = w_{jk}(\text{old}) + \Delta w_{jk} \quad V_{ij}(\text{new}) = v_{ij}(\text{old}) + \Delta v_{ij} \dots\dots (12)$$

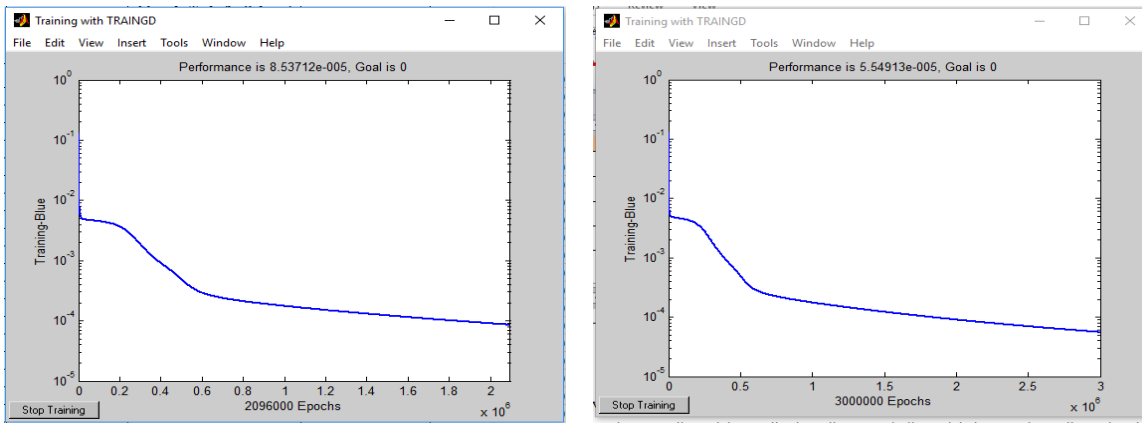
Step 9 : Test if the terminated condition is met. Terminated condition is satisfied if the value of error generated is less than the reference error value.¹⁵

1.2 Data Analysis Method

The values of data input and target variable are replaced with the values from questionnaire data, which is by distributing questionnaires to 30 random respondents to see the best method in promoting peace and tolerance. The desired output (target) of data analysis is the optimization of the best method in promoting peace and tolerance in the world.

3.4 Ideas for Discussion

The research and analysis are conducted to produce measurable result. Then the result is implemented maximally. There are three calculation of three architectures in the Neural Network Method Algorithm Back propagation. After the three architectures are trained and tested which are architecture 4-7-1, 4-5-3-1, 4-9-1, the best architecture with epoch is 4-7-1.



Picture 2. Result of the analysis

From the data analysis using Neural Network Back propagation with architecture test, 4-7-1, 4-5-3-1, 4-9-1, 4-7-3-1, it is found that the best architecture is 4-7-1 with epoch 300000. The

¹⁵M.F. Andrijasa dan Mistianingsih, 2010, *Penerapan Jaringan Syaraf Tiruan Untuk Memprediksi Jumlah Pengangguran di Provinsi Kalimantan Timur Dengan Menggunakan Algoritma Pembelajaran Backpropagation* journals informatics Mulawarman East Kalimantan.

performance calculation 0.09914 is for variable dialog, online media telecommunication's performance is 0,9549, novel's performance calculation is 0.7185, and education is 0.9713.

Table 1. The result of the best variables

No	Input	Performance	Output	Rank	Epoch
1	Dialog	0.9914	0.9098	2	2096000
2	Online Media Telecommunication	0.9549	0.9754	1	3000000
3	Novel	0.7185	0.6557	4	356640
4	Education	0.9713	0.7553	3	3556

Based on the output result of Neural Network Back propagation of the four variables, it is clearly illustrated that online media telecommunication is the best method to promote peace and tolerance with value 0.9754, continued by dialog with output value 0.90898, education with output value 0.7553, novel with output value 0.6557. It can be concluded that the best method to promote peace and tolerance is online media telecommunication.

The result of the research is also supported by the prior research conducted by Bend AbidinSantosa, 2017 in his book *Peran Media Massa Dalam Mencegah Konflik*, that shows mass media/online media plays significant role to influence public opinion for its reality construction strength to deliver various information and values to society to create tolerance and peace.¹⁶

Referring to the result, we can describe that why online media becomes the best method to promote peace and tolerance is because either online media or mass media is viewed as a free institution to show the reality. Media has strength to construct the reality, therefore the media has to be balance in conflict reporting, to be involved in conflict prevention and to support the conflict resolution initiated by the conflicting parties. Media might focus on reporting the impact of the conflicts to create awareness of the conflicting parties upon the impact of the conflict. It shows the role of media as part of conflict resolution rather than as part of the conflict. Media should make the code of ethics of journalism as a principle in conducting journalist activities and the freedom of press should not be abused to increase sales or economic benefits and even other interest of conflicts occurred. It needs constructive synergism among mass media, press council, Indonesia Broadcasting Commission, government and society to promote the educative, objective, peaceful reporting which is oriented to conflict resolution.¹⁷

3.4.1 Online Media Innovation in Promoting Tolerance and Peace

If being asked why online media is the result for the best method research to promote tolerance and peace, the answer would be because online media is considered to be a device to

¹⁶Bend AbidinSantosaJurnal, *Peran Media Massa Dalam Mencegah Konflik* ,ASPIKOM, Volume 3 Nomor 2, Januari 2017, hlm 199-214

¹⁷Bend AbidinSantosaJurnal, *Peran Media Massa Dalam Mencegah Konflik* ASPIKOM, Volume 3 Nomor 2, Januari 2017, hlm 199-214

share news that affects how people think, whenever online media shares positive news it will immediately receive swift responses from society, this is also applied when online media spread negative news or post, whether it's a fact or hoax, the impact would be acknowledged immediately like some examples of news or posts below.



Picture 3. Online media regarding tolerance and peace¹⁸

Resulted impact from spreading positive news and posts on online media such as Facebook, Instagram, Twitter etc, is significant enough due to its spreading around the country with responses to it could be seen with the likes and comments found on certain fan page. It is such innovation in promoting tolerance and peace because you don't have to spend more money for this method even though it has significant and direct impact. This feature is the reason why online media method become the best and most innovative in promoting tolerance and peace.

3.4.2 Online Media Application Demonstration on the Field

Ways to apply online media on the field are as follow:

¹⁸<https://www.facebook.com/search/top/?q=tolerances%20dan%20perdamaian>

a. Creating online Fan page and group discussion on Facebook



Picture 4. Online fan page and group discussion on Facebook¹⁹

b. Creating Instagram account regarding tolerance and peace.



Picture 5. Instagram account regarding tolerance and peace²⁰

¹⁹www.facebook.com

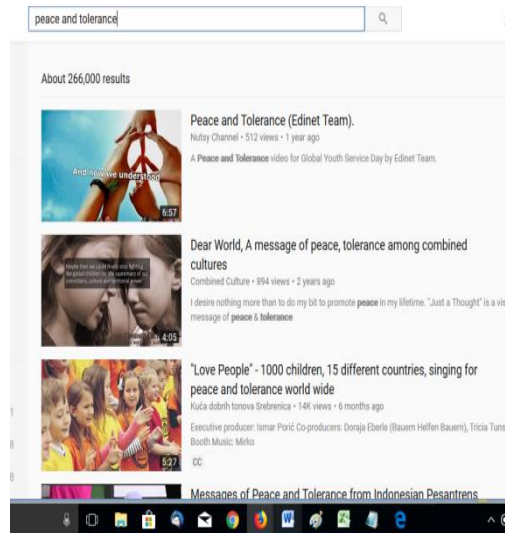
²⁰www.instagram.com

c. Creating Twitter account regarding tolerance and peace.



Picture 6. Creating Twitter account regarding tolerance and peace²¹

d. Creating online video regarding tolerance and peace on Youtube.



Picture 7. Online video regarding tolerance and peace on Youtube²²

Now we continue discussing the impact of applying online media in promoting tolerance and peace. To observe the impact of applying online media in promoting tolerance and peace, we could generate the result by spreading questionnaire to respondents with survey method and check

²¹www.twitter.com

²²www.youtube.com

the comment, subscribe and like from people seeing Facebook, Twitter etc. There are 30 respondents as sample with result shown below:

3.5 Impact of the project

A survey is conducted by distributing questionnaires to thirty respondents. This questionnaires are conducted to understand the impact of online media on promoting peace and tolerance. The analysis will also concern on the comments, subscribes, and likes from Facebook, Twitter, etc.

Table 1. The Best Method Determination

No	Repondents	Questions		
		Online Mediais very effective to promote peace and tolerance.	Online Mediagetts quick response from society on promoting peace and tolerance.	Online Mediagives positive impacts to prevent conflicts and strengthen tolerance and peace.
1	Sample 1	Strongly Agree	Strongly Agree	Strongly Agree
2	Sample 2	Agree	Strongly Agree	Agree
3	Sample 3	Agree	Strongly Agree	Disagree
4	Sample 4	Agree	Agree	Strongly Agree
5	Sample 5	Agree	Disagree	Agree
6	Sample 6	Agree	Strongly Agree	Disagree
7	Sample 7	Disagree	Strongly Agree	Agree
8	Sample 8	Disagree	Strongly Agree	Agree
9	Sample 9	Agree	Strongly Agree	Disagree
10	Sample 10	Agree	Strongly Agree	Disagree
11	Sample 11	Agree	Strongly Agree	Agree
12	Sample 12	Agree	Strongly Agree	Agree
13	Sample 13	Agree	Agree	Disagree
14	Sample 14	Agree	Disagree	Disagree
15	Sample 15	Strongly Agree	Strongly Agree	Disagree
16	Sample 16	Strongly Agree	Agree	Disagree
17	Sample 17	Strongly Agree	Agree	Agree
18	Sample 18	Agree	Disagree	Agree
19	Sample 19	Disagree	Strongly Agree	Agree
20	Sample 20	Disagree	Agree	Agree
21	Sample 21	Agree	Agree	Agree
22	Sample 22	Agree	Disagree	Agree
23	Sample 23	Strongly Agree	Disagree	Agree
24	Sample 24	Strongly Agree	Strongly Agree	Agree
25	Sample 25	Strongly Agree	Agree	Disagree
26	Sample 26	Strongly Agree	Agree	Disagree
27	Sample 27	Agree	Disagree	Disagree
28	Sample 28	Agree	Strongly Agree	Disagree
29	Sample 29	Agree	Disagree	Agree
30	Sample 30	Agree	Strongly Agree	Agree

From the 30 respondents, 8 out of 30 strongly agree, 18 out of 30 agree, and 4 out of 30 disagree that online media is effective to promote peace and tolerance. On the other side, 15 out of 30 strongly agree, 7 out of 30 agree, and 7 out of 30 disagree that online media gets quick

response from society on promoting peace and tolerance. Furthermore, 2 out of 30 strongly agree, 16 out of 30 agree, 12 out of 30 disagree that online media contributes positive impacts for society to prevent conflict and strengthen peace and tolerance.

We can conclude that, $8+15+2 = 25/90*100 = 27.78\%$, 27.78% respondents agree that the impact of online media is effective, quick response, and supportive to promote tolerance and peace. The other one, $18+8+16 = 42/90*100 = 46.67\%$, 46.67% respondents agree that the impact of online media is effective, fast response, and supportive to promote peace and tolerance. Furthermore, $4+7+12 = 23/90*100 = 25.56\%$, 25.56% respondents disagree that online media is effective, quick response, and supportive to promote peace and tolerance. **Therefore, it is clearly concluded that 74.44% respondents agree that online media contributes positive and significant impacts upon promoting peace and tolerance in the world.**

CHAPTER IV. CONCLUSION & RECOMMENDATION

4.1 Conclusion

1. The research determines the best method among the four methods; dialog, oration on online telecommunication media, moral message in novels, and the implementation of education in schools as an effort to promote peace and tolerance. This research project is very innovative because it gives quiet accurate result of selecting the best method which eventually determines the online media as the best method reaching output value 0.9754.
2. This research project is innovative because it uses Neural Network Back propagation method which has 80% accuracy, in order to achieve accurate and better results.
3. The implementation of the best method to promote peace and tolerance is by creating fan page and online group discussion in Facebook, creating Instagram account, Twitter account, and YouTube videos related to peace and tolerance.
4. 74.66% respondents agree that online media contributes positive and significant impacts in promoting peace and tolerance.

4.2 Suggestions

As an effort to strengthen the promotion of peace and tolerance, the writer hopes that there will be further research with different variables or methods.

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