

**THE LOGICAL FUNCTION ANALYSIS ON THE THREAD
ABOUT VACCINES IN SOCIAL MEDIA *TWITTER***

Thesis



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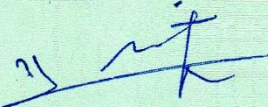
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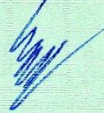
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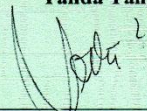


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ABSTRACT

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In logical function analysis, the analysis deals with clause complexes form which is the meaning relation of each clause in the clause complex. This thesis is about the logical function analysis used in the thread about vaccines in social media twitter. The objective of this research is to find out the types of logical function analysis in the threads about vaccines which is in clause complexes form. This research is conducted by qualitative descriptive approach which means this research makes the description of the situation. The data of this research is from the thread 1 about vaccine by Prof. Christine Pagel on her twitter account. The thread consists of 10 tweets that are 35 clause complexes. And the other data is from the thread 2 by Nida Qadir, MD on her twitter account. The thread consists of 5 tweets that are 21 clause complexes. The finding of this research is indicated that there are 2 main types of logical function; expansion and projection. In analyzing thread 1, there were 19 elaboration, 3 extension, 12 enhancement, and 1 types of idea. There is no locution type in thread 1. In analyzing the thread 2, there are 9 elaboration, 3 extension, 7, enhancement, 1 locution, and 1 idea.

Keywords: Vaccines, Thread, Twitter, Logical Function Analysis.

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CHAPTER 1

INTRODUCTION

1.1 Background of Research Problem

2019 is the scary year because there is an outbreak of malignant disease that can attack human which caused by the virus infections called SARS-Cov-2 as well known as COVID-19. According to Fiorenzato & Cona (2022) state the Covid-19 pandemic represents an unprecedented worldwide crisis with serious socioeconomic, physical and mental health consequences. This COVID-19 infectious virus causes health disorders to people such as shortness of breath, high fever, and death. The transmission of this virus is also very easy to be through the touch, so that many people are confirmed as positive to contract this virus easily.

Many rules are created by the government to tackle this virus infection such as; people are forbidden to make a crowd, people should stay at home, people should wear the gas mask, people should maintain cleanliness, and people should be getting vaccinated. If there are a number of unvaccinated people against an infectious disease, there is a likelihood of a reemergence of that particular disease in that area (Quibranza III, 2021). Therefore getting vaccinated is important for people around the world especially in this pandemic era.

Although vaccines are important to protect human health, many people are disagreed of getting vaccinated. In this pandemic era, vaccines are being the sensitive thing for people even vaccinated are purposed to protect people from the virus infection. According to Brown and Torrence (2021) tells anecdotes tell us what the data can't: vaccinated people appear to be getting the coronavirus at a

surprisingly high rate. But exactly how often isn't clear, nor is it certain how likely they are to spread the virus to others. Though it is evident vaccination still provides powerful protection against the virus, there's growing concern that vaccinated people may be more vulnerable to serious illness than previously thought. It causes the effect obtain after getting vaccinated. People are scared of the effects after getting the vaccinated such as high fever, paralysis, and death. So people prefer to stay at home and wear the mask when they go out compared to getting the vaccines.

Based on data from NIAID (National Institute of Allergy and Infectious Diseases) on August 13, 2020 vaccines stimulate the immune system to produce immune responses that protect against infection. Vaccines provide a safe, cost-effective and efficient means of preventing illness, disability and death from infectious diseases. Vaccines are not 100% able to protect people from virus infection, but it is able to reduce the possibility of several symptoms and complications due to virus infection as well known as COVID-19. So vaccines are important to protect people from the virus infections, but it does not mean people are 100% protected from the virus infections. Vaccines help people to reduce the possibility of complications from the virus infection after getting the vaccines. It means people who are getting vaccines will not get a very dangerous effect when they have COVID-19 infections.

Many scientists, doctors, even governments try to urging people to get the vaccines such as socializing the importance of getting vaccines for people to prevent the spread of the corona virus infection. One way to socializing the

important of vaccines is by using social media. Based on Kaewkitipong, Chen & Ractham (2016) users (people who use social media) adapt social media to fit their needs and to collaborate with others to produce useful content and information and to help others through the crisis. This era, social media is very useful for people around the world. People can get everything like motivations, job information, even news through the social media, so, every people must have social media.

Twitter is one of the famous social media which is very useful for people to get the information about the phenomenon happen around the world with no limit. Every people can use this social media to get that information. Garg (2022) states that Twitter is better social media since it involves in making viral news with fastest speed than any other media. It is known as real time multi blogging platform where news crack first and it plays a vital role to make a new viral. There is a 'Trending Topic' as a device on Twitter. It shows the phenomena that is being booming at that time because many people talk about that phenomena continuously in twitter.

Also, in Twitter every people can be the authors to send the experiences, information, messages, ideas, and opinions called Tweet. According to Garg, B (2022) Twitter is a social networking site which is used to communicate with other registered member through a short post of 140 characters called Tweets. Tweet can be in the texts, photos, videos, gifts, and emoticons form.

There is a thread as a tool of Twitter to share the information. Thread is one of the devices in social media Twitter that is a set of tweets. Thread are

connected to one another and read as one continuous post (Stephenson, 2020). The thread is used to elaborate on an idea or thought that can't be expressed in a single Tweet.

Since vaccines are going viral at that time because many people share their experience of getting vaccines. There are good and bad experiences about it and make many people hesitate of getting the vaccines. Therefore, many doctors as the authors make thread to socializing about the importance of vaccines for people around the world especially in this pandemic era, so that many people would like to get vaccinated.

For example, based on the data from Alan Turing Institute (2022) Prof. Christina Pagel who is a German-British mathematician and professor of operational research at University College London (UCL). She shares the information in a thread form which contains 10 Tweets about vaccines for people to understand the vaccinated and want to get the vaccinated. She is a famous professor. She followed by around 201.000 followers on her Twitter account and she has the verified Twitter account. The verified Twitter account should be used in order to prove the account is from a person who trust worthy (Garg, 2022). She shares the thread in a good and interesting way, so many people like to read her thread and comment on it.

According to the data from UCLA Health (2022) Nida Qadir, MD who shares the thread about how important vaccines to pregnant women in this pandemic COVID-19 era. She is an Associate Professor of Medicine and Associate Director of the Medical Intensive Care Unit at Ronald Regan UCLA

Medical Center. She is also the co-director of UCLA's Post-ICU Recovery Clinic. She also followed by around 8.420 people in her Twitter account. She also has a verified Twitter account. Many people comment and like in her thread about importance of vaccines for pregnant women.

The thread which contains of several Tweets is in the form of texts. The text is in clause complex form, so the text can be analyzed in metafunction. Halliday & Matthiessen (2004) declares that metafunction is the semantic system that makes meaning of a related kind in functional grammar theory. Metafunction have several subparts such as ideational metafunction, interpersonal metafunction, and textual metafunction. In this research will only focus on logical function that is one of the types of ideational metafunction.

Logical function is the subparts of ideational metafunction which can be analyzed only in clause complex form. logical function is the relation of each clause in clause complex. Saragih (2006) also mention that the logical function is devoted to the clause complex. There are two types of logical function such as; expansion consisting of elaboration, extension, and enhancement, and projection consisting of locution and idea.

There are several research of logical function such as; the research from researchers Ginting. Y and Rahmah (2016) about The Logical Function Is *Simate-Mate* (The Mourning Tradition of Karonese's Culture), it deals with the types of logical function and the social value in mourning tradition of Karonese's culture, and also the research about logical functions by Annisa Risma Khairanni Lubis and Masdiana Lubis (2018) about Logico-Semantic Relation in 'Newspaper Texts

On Jakarta Terror Attack'. It aims to describe the type of logico-semantic relation and to explain how logico-semantic relations are used in newspaper texts on Jakarta terror attack which the data is in clause complex form.

This research is analyzed the types of logical function on the threads about vaccines in social media Twitter. The threads that can be analyzed are from doctors as the authors who share the information about vaccines in their Twitter account. Their goal is to make people understand about vaccines since there are many rumors especially from the thread on social media Twitter about vaccines that make people have trust issue of getting vaccinated, so that, from these threads people get the understanding about vaccines and want to get vaccines to protect themselves and also to prevent the development of the corona virus infection. Threads which are consist several Tweets are made in the text form that consisting of several clause in the form of clause complexes.

The aim of this research is to make people do not misinterpretation about the meaning or the information that authors give on each Tweet that contains clause complexes in the thread about vaccines by analyzing the meaning relation of each clause in the clause complex or well known as logical function.

1.2 Identification of Research Problem

Thread about vaccines by several doctors is to attract people's attention. Since there are many rumors especially from the thread on social media Twitter about vaccines that make people do not understand about the important of getting vaccinated and also make people hesitate of getting vaccinated, so that, many

doctors as the authors make a thread in their Twitter account to attract people's attention about vaccines and want to get vaccinated.

The thread which consists of several Tweets is in the text form that carried several clause complexes can be analyzed in the logical function study. It is to make clear about the meaning relation of each clause in the clause complex to avoid the misinterpretation for people to understand about vaccines.

1.3 Limitation Research Problem

The researcher focuses on the research study about the logical function analyze on the thread about vaccines in social media Twitter. This research is used Halliday (1997) theory about logical function. The researcher analyzes the meaning relation of each clause in the clause complex from the thread about vaccines from the several doctors in their verified Twitter account. The threads as the data are only in clause complexes form which means there is more than one clause in each thread.

1.4 Formulation of Research Problem

Based on the limitation of research above, the formulation of the research problem can be state as, what are the types of logical function analysis on the thread about vaccines by Prof. Crhistina Pagel and Nida Qadir, MD in their Twitter account.

1.5 Purposes of Research Problem

The purpose of this research is based on the formulation of research problem above can be state as to find out the types of logical function analysis in the thread about vaccines by Prof. Christina Pagel and Nida Qadir, MD in their Twitter account.

1.6 Significant of Research Problem

Theoretically, the aims of this research is developed readers especially the students to more understand about logical function study which are many types in it could be analyzed, and make people do not misinterpretation about the information that authors give in their thread about vaccines.

The significant of this research is primary the researcher enrich the knowledge regard to the Logical Function Analysis study, and the researcher also can enrich the knowledge about the meaning relation of each clause in clause complex then analysis it in the thread about vaccines in social media Twitter. The researcher hopes it helps the riders to more understand about logical function study. By using the thread about vaccines that is the viral phenomena at that time, the researcher hopes that the readers can be easy to apply the logical function study on linguistic area that happen around them.

1.7 Definition of Key Terms

Vaccines are the most effective public health tool to stimulate the immune system to produce immune responses that protect against infection.

Thread is one of the devices in social media twitter that is a set of tweets.

Twitter is a message in a form of the texts, links, photos, or videos that posted in social media twitter.

Logical function is the linguistic study about the logical relation between each clause in the clause complex.