The Representation of The Element of Nature in The Film "Elemental: Force of Nature" by Peter Sohn

Rismawati Ismail

Universitas Muhammadiyah Gorontalo, Gorontalo, Indonesia

ismailrismawati3@gmail.com

Dahlia Husain

Universitas Muhammadiyah Gorontalo, Gorontalo, Indonesia

Dahliahusain@umgo.ac.id

Happy Anastasia Usman

Universitas Muhammadiyah Gorontalo, Gorontalo, Indonesia

happyanastasia@umgo.ac.id

Abstract

This study analyzes the animated characters represent the elements of nature in Peter Sohn film "Elemental: Force of Nature" by using qualitative methods and Peirce theory. The technique of collecting data is through the documentation cut of image from the scene in the film. The techniques of analyzing data are through Miles & Hubberman: data reduction, data display, and drawing conclusion. The result of this study show is some of elements of nature: Fire, Water, Air, and Soil. The elements of nature fire consist of 15 data, the elements of nature water consist 10 data, the elements of nature air consist 4 data, and the elements of nature soil consists 5 data. As the conclusions, the animated film "Elemental: Force of Nature" by Peter Sohn depicts the elements of nature in differently through his animated characters and the elements of nature such fire, water, air, and soil in the film do not represent the elements of nature in real life. As the suggestions, it is expected that this study will become an information and reference to other researcher who are interested in observing and developing the study of semiotic in the animated film. This research has limitation that the scope used only covers the representation of the element of nature in the film meanwhile, the natural elements in the film cannot be adapted to people's lives in the real world.

Keywords: Elements of Nature, Semiotic, Charles Sanders Peirce, Film

Introduction

Film is one of the most popular literary works today because it can be widely accessed anywhere at any time. through visuals and dialog, films can convey messages, play emotions, and display life values to the audience. from watching films, viewers can receive certain messages to be read or translated, which has an impact on how they understand them, (Zoebazary in Asri, 2020). Along with the times, films consist of various genres, one of which is animated films. Animated films are currently one of the most popular film genres because they can be watched by all groups, besides that, animated

films display interesting and funny visuals but still have various messages in them to convey to the audience. One of them is Peter Sohn's animated film "Elemental: Force of Nature" produced by Walt Disney and Pixar Animation Studios. The Film, "Elemental: Force of Nature" by Peter Sohn tells the life of several natural elements, namely the elements of fire, water, air, and earth in the elemental city. The film introduces the interconnected elements of nature through animated depictions that represent the nature of each element. The characters in this film are not only depicted visually resembling the elements of nature, but there are also natural relationships in real life. This relationship is depicted through signs and symbols that appear in the film. This is what will be studied more deeply in this research using semiotic analysis.

Peirce stated that semiotics is a study that refers to the analysis of signs and symbols, (Tomaselli, 2022). A sign is defined as something that has a clear relationship with two other things, namely the object and the interpretant of the sign, (Peirce in Wicaksono and Heriyati, 2023). In Peirce's trichotomy, he explains the relationship between signs, where the function can be used as a sign itself, (Peirce, 1940: 99). The trichotomous relationship between signs is the focus of Charles Sanders Peirce's semiotic study, where this is the relationship between object, representamen, and interpretant, or what is known as the semiotic meaning triangle which is part of a triadic structure, (Ersyad in Nensilianti, et al, 2023).

The first point of Peirce's trichotomy is the representament. Representament is the first element of the sign, which is the physical form received by the five senses that refers to something that has a function as a sign and can be established sensually, (Peirce in Gusma and Adiyanto, 2023). In representament, Peirce divides it into visual, which is an image or form, where the object can be seen, (Lechte in Lubis, 2021). The second point of Peirce's trichotomy is the object, where this classification is based on how the sign relates to its object, which consists of icons, indices, and symbols, (Peirce, 1940: 102-103). According to Zoest (1993:26), an icon is a relationship between a signifier and its sign that is the same or has similarities, for example, a portrait of a person is a visual icon that shows the face of a real person. Index is a natural relationship between signifier and signified that has a causal relationship, (Sahid in Sotya and Indar, 2023). Symbols refer to conventional signs that are used and have a mutually agreed meaning, (Peirce in Lubis, 2021). The third point of Peirce's trichotomy is interpretant. Interpretant is the result of understanding the sign itself, (Sobur in Zandra, 2021). Peirce (in Wicaksono and Heriyati, 2023), states that the interpretant is the meaning resulting from the relationship between the sign and the object.

There are several previous studies used as references, namely a study entitled "Representation of Human Nature in Animated Characters Semiotics Analysis Study in the Animated Film 'The Angry Birds'". This research discusses the depiction of human

nature through the characters of the film "The Angry Birds" while the research under study focuses on the depiction of nature through symbols on each character in the film "Elemental: Force of Nature". Another difference is in the theory used, namely in this study using the semiotic theory of Roland S. Barthes, while the research studied used Charles Sanders Peirce's semiotic theory.

Methodology

The method used in this research is qualitative method. Qualitative methods are used to display descriptive data in written, oral, image, interview, and audio and visual data sources, (in Adawiyah & Rachmaria, 2020). In analyzing the representation of nature in the film, Peirce's semiotic approach are used. Peirce contends that logic is the foundation of semiotics because logic examines human reasoning, and reasoning is accomplished through signals, which enable thought, interpersonal communication, and comprehension of what the cosmos exhibits, (Peirce, 1940). The techniques of collecting the data in this research are through documentation. The documentation used in this research is a cut of images from the scene in the film "Elemental: Force of Nature" by Peter Sohn. The techniques of analyzing the data are based on Miles & Huberman (1994:10), as follow: 1) Data Reduction: In this step, the researcher identified and classifies sign that represent nature in the film "Elemental: Force of Nature" by Peter Sohn. 2) Data Displays: In this Step, the researcher describes the data and relate with some theories and references. 3) Drawing Conclusion: In this step, the researcher draws the conclusion as the result of this research.

Findings

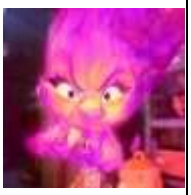
There are four kinds of element of nature exist in Sohn's film "Elemental: Force of Nature": Fire, Water, Air, and Soil.

1) Elements of Nature: Fire

There are 15 fire data found, fire on Bernie's body, fire on Ember's body, and fire on Cinder's body.

Table 1. Elements of Nature: Fire

No	Fire in the Characters	Peirce's Trichotomies				
		Representament	Object			Interpretant
		Visual	Icon	Index	Symbol	
1.	Fire in Bernie					

	The Flame with Face Expressions	Data 01  (Scene 05:24)	Bernie's appearance in a bit smaller orangis flame over his body with face expressions: a bit up eyebrows and half widely opened mouth with grin teeth showing.	The flame of smiling expression.	The outlook of the flame when the elements of fire people smiling.	When the elements of fire people are smiling, they will perform the bit smaller orangis flame over their body with the eyebrows are up a bit and the mouth is opened in half widely with the grin teeth shown.
2.	Fire in Ember					
		Data 02  (Scene 15:24)	Ember's apperance in full purple flame over her body with face expressions: widely sharp-opened eyes, and closed mouth.	The flame of an unbearable anger expression.	The outlook of the flame when some of the elements of fire people feel the unbearable anger.	When some of the elements of fire people are feeling the unbearable anger, they will perform the full purple flame over their body with the eyes are opened in sharp and wide, and the mouth is closed.
3.	Fire in Cinder					
3.1	The Flame with Face Expressions	Data 03  (Scene 03:38)	Cinder's appearance in half orangis flame over her body with face expressions: sharped eyes, and widely opened mouth with teeth showing.	The flame of a painful expression.	The outlook of the flame when some of the elements of fire people feel painful.	When the elements of fire people are feeling painful, they will perform the half orangis flame over their body with the eyes are sharp, and the mouth is opened widely with the teeth shown.

2) *Elements of Nature: Water*

There are 10 water data found in Wade's character.

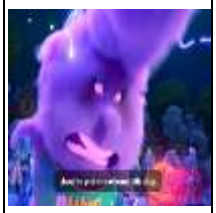
Table 2. Elements of Nature: Water

No.	Water in the Characters	Peirce's Trichotomies				
		Representament	Object			Interpretant
		Visual	Icon	Index	Symbol	
1.	Water in Wade					
		Data 04  (Scene 32:18)	Wade's appearance in half white bluish gushing body with face expressions:bending eyebrows, bulging eyes and slightly opened mouth.	The shape of a panic expression.	The outlook of the shape when the elements of water people get panic.	When the elements of water people get panic, they will perform the eyebrows areinbending, the eyesare in bulging, and the mouthis opened slightly.
		Data 05  (Scene 01:23:00)	Wade's appearance in bluish purple bubbly body with face expressions: widely opened eyes, and tightly closed mouth.	The shape of an over-heated expression.	The outlook of the shape when the elements of water people are over-heated.	When the elements of water people are over-heated, they will perform the bluish purple bubbly over their body with the eyes are opened widely, and the mouth is closed tightly.
		Data 06  (Scene 54:46)	Wade's appearance in half bluish body with face expressions: widely opened eyes, and O-shaped mouth.	The shape of a getting shocked expression.	The outlook of the shape when the elements of water people get shock.	When the elements of water people are getting shocked, they will perform the eyes which are opened widely, and the mouth which is opened in O-shaped.
		Data 07  (Scene 32:13)	Wade's appearance in bluish liquid body inside the pipe with face expressions: tightly closed eyes.	The shape of a painful expression.	The outlook of the shape when the elements of water people feel painful.	When the elements of water people are feeling painful, they will perform the bluish body with the eyes are closed tightly.

3) *Elements of Nature: Air*

There are 4 data found in Gale's character.

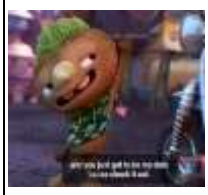
Table 3. Elements of Nature: Air

No.	Air in the Characters	Peirce's Trichotomies				
		Representament	Object			Interpretant
		Visual	Icon	Index	Symbol	
1.	Air in Gale					
	The Shape with Face Expressions	Data 08  (Scene 28:08)	Gale's appearance in bigger dark purple body with thunder, and face expressions: widely sharp-opened eyes, straightly opened mouth with gnashing teeth.	The shape of a furious expression.	The outlook of the shape when the elements of air people are in furious.	When the elements of air people are in furious, they will perform the bigger dark purple body with the eyes are opened widely in sharp, and the mouth is opened straightly with the teeth gnashed.

4) Elements of Nature: Soil

There are 5 data found in Soil Character.

Table 4. Elements of Nature: Soil

No.	Soil in the Characters	Peirce's Trichotomies				
		Representament	Object			Interpretant
		Visual	Icon	Index	Symbol	
1.	Soil in Clod					
1.1	The Shape with Face Expressions	Data 09  (Scene 12:26)	Clod's appearance in the growing grass on his head and a flower appears on his armpit with face expressions: crinckled eyes, and smiling mouth.	The shape of a flirting expression.	The outlook of the shape when some of the elements of soil people flirting to a girl.	When some of the elements of soil people are flirting to the girls, they will perform the flower appears on their armpits with the eyes which are crinckled, and the mouth which is smiling.

Discussion

1) Elements of Nature: Fire

In data 01, Bernie's picture is classified in the representament, visual. This classification is based on Peirce's trichotomies which state that the visual is part of the representamen that shows a physical form that can be captured sensually, (Peirce in Gusma and Adiyanto, 2023). Whereas, the depiction of Bernie's appearance with a smaller orange color over his body with facial expressions: slightly raised eyebrows and a half-open mouth with grinning teeth is classified in object, icon. Where the icon according to Zoest, (1993: 26), is the relationship between the signifier and the sign that is the same or has similarities. The depiction of the fire man with a smiling expression is classified in object, index because this is in accordance with what Sahid and Sinarwati (in Sabri, 2023) said, index is a natural relationship between signifier and signified that has a causal relationship. Then the depiction of the scene when the fire people element is smiling is classified into object, symbol because according to Peirce (in Lubis, 2021), symbols refer to conventional signs that are used and have mutually agreed meanings. So when the fire people element smiles, they will display a slightly smaller orange flame above their body with slightly raised eyebrows and a half-width open mouth with grinning teeth, this explanation is included in the Interpretant classification. According to Sobur (in Zandra, 2021), Interpretant is the result of understanding derived from a sign that refers to an object and can be said to be the meaning obtained from a sign.

In data 02, the picture of Ember is classified as visual. According to Lechte (in Armi and Tari, 2021), visual is an image or shape whose object can be seen. Ember's appearance with a purple color full of flames all over her body with facial expressions: eyes wide open, and mouth closed, is classified into object, icon. This is because according to Danesi (2002:40), Icon is a sign that resembles its referent. Meanwhile, the flames show an expression of unbearable anger, which according to Peirce (1940:102), Index is a sign that appears because it has a causal relationship with its object. Furthermore, the depiction of flames when the fire people element feels unbearable anger is included in the classification of object, symbol, which in this case according to Zoest (1993: 27) symbol is a sign that is formed because there is a mutual agreement. So that when the fire people element feels unbearable anger, they will display a full purple flame over their body with eyes open sharply and wide, and this closed mouth is classified into interpretant because according to Peirce (in Wicaksono and Heriyati, 2023), Interpretant is the meaning resulting from the relationship between the sign and the object.

In data 03, the picture of Cinder is classified into Visual, where Visual is an image or shape where the object can be seen (Lechte in Lubis, 2021). Cinder's appearance with a fiery half orange color all over her body with facial expressions: sharp eyes, and a wide open mouth with visible teeth, is included in the Object, Icon classification. Where according to Zoest (1993: 26), Icon has a relationship between the representament and the object which is realized as a sign that describes. Then the depiction of the flame from

an expression that is in pain is classified in Object, Index because, Index is a natural relationship between signifier and signified that has a causal relationship, (Sahid in Sotya and Indar, 2023). Furthermore, the image of the flame when the fire people element feels pain is classified on Object, Symbol. This is because according to Zoest (1993: 27) a symbol is a sign that is formed because there is an agreement. So, when the fire people element feels pain, they will display a half orange flame above their body with sharp eyes, and a wide open mouth with visible teeth, this is included in the Interpretant. Interpretant is the result of understanding the sign, understanding that comes from the sign that refers to the object and can be said to be the meaning obtained from the sign, (Sobur in Zandra, 2021).

From the depiction of fire in Sohn's animated character based on Peirce's Trichotomies, it can be seen that some properties of fire in the movie do not represent the nature of fire in real life. When viewed from the depiction of fire in the movie, changes in fire occur due to the emotions felt by the fire. As we can see in this film, the fire elements display changes in the shape and color of the fire over their bodies with facial expressions when they feel angry, sad, etc. Based on the findings in the data, the fire changes due to the emotions felt by the characters when they feel panic, smile, laugh, pain, anger, etc.

If we look from the field of science, the nature of fire in real life has specific characteristics such as producing heat energy, producing light, and having the ability to burn. Fire can appear in several sizes, ranging from small fires to large fires, (Geograph, 2023). In addition to the nature of fire, the color of fire also has its own temperature, red fire has a temperature below 1,000 degrees Celsius, this color fire has incomplete combustion and is the weakest fire, orange fire has a temperature of 1,000-1,200 degrees Celsius. Yellow fire has a temperature of 1,200-1,500 degrees Celsius and the combustion in this fire is quite good. Blue fire has a temperature of more than 1,500 degrees Celsius and this fire includes having perfect combustion. Purple fire is a fire that has a temperature of 1,650 degrees Celsius where this fire has a temperature that is more than the 3 colors of fire above, (Pooc, 2022).

However, the similarity between the nature of fire in movies like the one produced by Sohn and the nature of fire in real life can be seen through the color of the flame.

2) ***Elements of Nature: Water***

In data 04, Wade's image is included in Visual, where visual is part of representament. In Peirce's trichotomies, representament is the first classification of signs, which is a physical form received by the five senses that refers to something that has a function as a sign and can be captured sensually, (Peirce in Gusma and Adiyanto, 2023). Then, according to Danise (2002: 40), Icon is a sign that resembles its referent, so the Icon in this data is describing Wade's appearance with a bluish-white body that is radiated by facial expressions: bent eyebrows, bulging eyes and a slightly open mouth. According to

Sahid (in Sinawatti and Sabri, 2023), index is a natural relationship between signifier and signified that has a causal relationship. The index in this data is showing a form of panic expression. Then, according to Peirce, (in Lubis, 2021), symbols refer to conventional signs that are used and have a meaning that is mutually agreed upon so that, the symbol in this data describes the appearance of the form when the water people element panics. The last classification in Peirce's trichotomies is Interpretant, where interpretant is the result of understanding the sign itself which refers to the object and can be said to be the meaning obtained from a sign, (Sobur in Zandra, 2021).

In data 05, the image of Wade is included in the representament, visual. Visual according to Lechte (in Lubis, 2021) is an image or form, where the object can be seen. The second classification of Peirce's trichotomies is Object. Peirce divides objects into three parts, namely Icon, Index, and Symbol. As an Index in this data displays a form of expression of heat, this is because according to Peirce (1940: 120), an index is a sign that appears because it has a causal relationship with its object. Meanwhile, as a Symbol in this data describes the appearance of the form when the water people element is hot, as explained by Zoest (1993: 27), a symbol is a sign that is formed because there is an agreement. The last classification in Peirce's trichotomies is called Interpretant. In this data, the Interpretant shows that when water elements are overheated, they will show bluish-purple bubbles all over their bodies with their eyes wide open, and their mouths tightly closed. This is because according to Peirce (in Wicaksono and Heriyati, 2023), interpretant is the meaning resulting from the relationship between the sign and the object.

In data 06, the image shows Wade as a Visual. As an Icon, the image shows Wade's appearance with a half-bluish body with facial expressions: eyes wide open, and an O-shaped mouth. As an Index, the image depicts the shape of a surprised expression and as a Symbol, the image depicts the shape when water elements are surprised. The Interpretant of the data is that when water elements are surprised, they will display wide open eyes, and an O-shaped mouth.

In data 07, the image of Wade is classified as Visual. As an Icon, Wade's appearance is included in it, namely the appearance of Wade with a bluish liquid body in a pipe with a facial expression: eyes closed tightly. As Index, it describes the form of expression of pain and as Symbol, it is a description of the form when the water people element is in pain. The Interpretant in this data shows that when water elements feel pain, they will display a bluish body with closed eyes.

From the depiction of water in Sohn's animated characters based on Peirce's trichotomies, it can be seen that some water properties in the movie do not represent the nature of water in real life. When viewed from the depiction of water in the movie, water changes due to the emotions felt by the water. As we can see in this film, the water element displayed by the water people element, displays changes in the shape and

color of its body with facial expressions when it feels pain, panic, etc. Based on the findings in the data, it shows that the changes in water are caused by the character's emotions when they feel pain, panic, cry, laugh, pain, focus, seriousness, and anger.

If we look from the field of science, the nature of water in real life has no color, no taste, no smell, under standard conditions, and has a temperature of 0 degrees Celsius, (PaneHutan, 2020). Water can turn into ice when the temperature is below the freezing point and can evaporate when the temperature is above the boiling point, water is also a universal solvent that can dissolve many substances, (Geograf, 2023).

However, there are some similarities between the properties of water in Sohn's film and water in real life such as seeping through small cracks, where water in the form of liquid is flexible which can make water seep through small cracks, flowing from high to low places, this often happens in tap water and waterfalls, having a flat surface, where when water cannot flow it will display a flat surface, occupying space, This property of water can turn into ice when the temperature is below freezing and can evaporate when the temperature is above the boiling point, mene,mpati space, this property of water can be seen when water is placed in a container it will occupy and form the same as the container it occupies, and the last property of water is that it can press in all directions where water if it fills a space and there is a hole in the space then the water will spray out and cause water to press in all directions, (Geost in Geologinesia, 2023).

3) ***Elements of Nature: Air***

In data 08, we can see a picture of Gale which is included in the representament, visual. Visual is an image or form that can be seen, (Lechte in Armi and Tari, 2021). As an object, the icon in this data can be seen from Gale's appearance with a dark purple body that is larger than Guntur, and facial expressions: eyes wide open, mouth open straight with teeth chattering. This is in line with Zoest's statement (1993:26), icon is a sign that illustrates. As an object, Index in this data can be seen in the form of angry expressions, because according to Sahid (in Sotya and Indar, 2023), index is a natural relationship between signifier and signified that has a causal relationship, Furthermore, there is an object, Symbol, where according to Peirce (in Armi and Tari, 2021), symbols refer to conventional signs that are used and have mutually agreed meanings, so the symbol in this data can be seen in the image of the appearance of the shape when the air element is angry. Peirce's last classification is Interpretant. Interpretant is the result of understanding the sign itself. The understanding that comes from the sign that refers to the object and can be said to be the meaning obtained from a sign, (Sobur in Zandra, 2021), so the interpretant in this data shows that, when the air element is angry, they will display a larger body in dark purple with eyes that open wide sharply, and a mouth that opens straight with gritted teeth.

From the depiction of air in Sohn's animated characters based on Peirce's trichotomies, it can be seen that some of the air properties in the movie do not represent

air properties in real life. When viewed from the depiction of air in the movie, air changes occur due to action or movement and emotion. As we can see in this film, the air element is shown through changes in body shape and color with facial expressions when they absorb and hold air, and when they are angry. Based on the findings in the data, changes in body shape and color as well as Gale's facial expressions occur when he feels angry.

If we look from the field of science, the nature of air in real life has mass, contains a mixture of many gases, occupies space, is odorless, tasteless, colorless, and has pressure. Air mass means that even though it is invisible, it does not mean that it does not have mass. Then, air has a lot of mass where, the most mixture in air is gas. Air can also occupy space, just like solid and liquid objects, the shape of air can adjust to its place. Air has no smell, taste, and color. The last property is that air has pressure because air has weight, (Widiyastuti, 2024).

4) ***Elements of Nature: Soil***

In data 09, it shows a picture of Clod which is classified into the representament, visual. Lechte (in Armi da Tari, 2021), defines that visual is an image or form, where the object can be seen. Meanwhile, object refers to something that is represented. Object, Icon according to Zoest (1993:26), is the relationship between the signifier and the sign that is the same or has similarities, so the Icon in this data is described by Clod's appearance who has grass growing on his head and a flower that appears in his armpit with facial expressions: wrinkled eyes, and a smiling mouth. Object, Index is a natural relationship between signifier and signified that has a causal relationship, (Sahid in Sotya and Indar, 2023), so the Index in this data can be seen from the form of a seductive expression. Object, Symbols refer to conventional signs that are used and have mutually agreed upon meanings, (Peirce in Armi and Tari, 2021), so that in this data the symbol is seen when the shape of the soil element of people who are flirting with a girl is displayed. Peirce's third classification is Interpretant, where this is the meaning resulting from the relationship between the sign and the object, (Peirce in Wicaksono and Heriyati, 2023). Therefore, the Interpretant of this data shows that when the soil people are teasing the girls, they will display flowers appearing in their armpits with puckered eyes, and smiling mouths.

From the depiction of soil in Sohn's animated characters based on Peirce's trichotomies, it can be seen that some soil properties in the movie do not represent the nature of soil in real life. When viewed from the depiction of soil in the movie, changes to the soil occur due to the emotions felt by the soil, and show several poses. As we can see in this film, the soil element shows changes in the shape and color of its body with facial expressions when panicking, feeling comfortable, flirting, and showing the norm pose.

When viewed from the field of science, soil is a growing medium for plants, provides habitat for other organisms, filters water, and stores water, (RuangBiologi, 2024).

Conclusions

Based on the discussions in research findings and discussions in previous chapter, the researcher takes some conclusions such as: (1) The animated film "Elemental: Force of Nature" by Peter Sohn depicts the elements of nature in differently through his animated characters. (2) The elements of nature such fire, water, air, and soil in the movie do not represent the elements of nature in real life. It can be seen from the depiction of the characters that the changes in the shapes, colors over their bodies with some facial expressions occur due to some conditions such as the actions that the characters do, and the emotions that they feel.

After analyzing the representation of element of nature in Sohn's film, the researcher finds out that the world produced in fiction work can be unlimited. The workers have freedom in expressing their creativities and imaginations without restricting by the natures exist in the real world.

for next researchers, especially, those who are interested in studying and developing Sohn's animated film "Elemental: Force of Nature", that there are many other aspects that have not been explored by the researcher. Therefore, it will be interesting to other researchers to develop and to study these points such as "The Impact of Sohn's animated film "Elemental: Force of Nature" toward the Audiences".

REFERENCES

Aart van Zoest. (1993). Semiotika: Tentang Tanda, Cara Kerjanya dan Apa yang Kita Lakukan Dengannya. Jakarta: Yayasan Sumber Agung.

Adawiyah, R., & Rachmaria, L. (2020). *MITOS "KANCA WINGKING" PEREMPUAN JAWA DALAM FILM KARTINI (Analisis Semiotika Roland Barthes)*.107–108. http://filmindonesia.or.id/movie/viewer/2017#.XfsDUOgza00

Asri, Rahman. (2020). Membaca Film Sebagai Sebuah Teks: Analisis Isi Film "(Nanti Kita Cerita Tentang Hari Ini (NKCTHI)". *Jurnal Al Azhar Indonesia Seri Ilmu Sosial*, 1(2), 70-84.

Danesi, M. (2002). Understanding Media Semiotics. London: Arnold; New York: Oxford University Press.

Elemental (2023) - IMDb

Geograf. 2023. Pengertian Air: Definisi dan Penjelasan Lengkap Menurut Ahli. (Pengertian Air: Definisi dan Penjelasan Lengkap Menurut Ahli - Geograf). Accessed time 15th May, 2024.

Geograf. 2023. Pengertian Api: Definisi dan Penjelasan Lengkap Menurut Ahli. (Pengertian Api: Definisi dan Penjelasan Lengkap Menurut Ahli - Geograf). Accessed time 15th May, 2024.

Geost, F. 2023. Sifat-Sifat Air dan Contohnya dalam Kehidupan Sehari-Sehari. (Sifat-Sifat Air dan Contohnya dalam Kehidupan Sehari-hari (geologinesia.com)). Accessed time 15th May, 2024.

Gusma, M. K. R., Adiyanto, W. 2023. Representasi Kemiskinan Pada Film Turah. *INNOVATIVE: Journal Of Social Science Research.*3(2), 6636-6650. https://j-innovative.org/index.php/Innovative

Lubis, A. A. 2021. Analisis Semiotika Charles Sanders Peirce pada Sampul Annual Report Bank BCA. *Jurnal IKRA-ITH Humaniora,* 5(1), 183-192.

Mariana, Ana. (2023). Literary Psychology: Main Character analysis of "The Feisty Fiancee" by Jessica Steele. *Eloquence Journal of Foreign Language*, 2(1), 204-223

Miles, M. B., & Huberman, A. M. (1994). *Qualitative Data Analysis: An Expanded Sourcebook (2nd ed).* Sage Publications, Inc.

Nensilianti, Damat, Y., Ridwan. (2023). Ikon, Indeks, Dan Simbol Dalam Iklan Scarlett Whitening Di Youtube. *Journal KIBASP (Kajian Bahasa, Sastra dan Pengajaran),* 7(1), 27-35. https://doi.org/10.31539/kibasp.v7i1.6034

PaneHutan. 2020. Mengenal Air: Sifat Fisik, Kimia, dan Biologi. (Mengenal Air: Sifat Fisik, Kimia, dan Biologi - PaneHutan). Accessed time 14th May, 2024.

Peirce, Charles Sanders. (1940). Logic as Semiotic: The Theory of Signs" in Philosophical Writings of Peirce. New York: Dover Publications, inc., hal. 98-119.

Pooc. 2022. Suhu Api Berdasarkan Warna yang Dihasilkan. Suhu Api Berdasarkan Warna yang Dihasilkan - Pooc. Accessed time 15th May, 2024.

Rodonuwu, T. H., Wantasen, I. L., Rattu, A. Lutje. (2020). Analisis Karakterisasi Tokoh Utama Dalam Film Barbie of Swan Lake (2003). *Jurnal Elektronik Fakultas Sastra Universitas Sam Ratulangi,* 13(2020).

Ruang Biologi. 2024. Tanah: Pengertian, Asal Usul, Jenis, Fungsi, Lapisan, Komponen dan Faktor Pembentukannya. Tanah: Pengertian, Asal Usul, Jenis, Fungsi, Lapisan, Komponen dan Faktor Pembentukannya | RuangBiologi.Co.Id. Accessed time 15th May, 2024.

Sinarawatti, S. S., Sabri, I. 2023. Simbolisasi Bunga Mawar Dalam Pertunjukkan Pantomim "Beauty And The Beast" Karya Sherlly Cindya Francisca (Tinjauan Semiotika Charles Sanders Peirce). *Jurnal Seni Drama Tari Dan Musik.* 6(1), 43-50.

Tomaselli, K.G. (2022). Semiotics, Semiology and Film. Communicare: Journal for Communication Studies in Africa.

Wicaksono, D. L., Heriyati, N. (2023). Semiotic Analysis Of The Little Mermaid Movie Poster Using Peirce (1996). *Mahadaya: Jurnal Bahasa, Sastra, dan Budaya, 3(2),* 167-174. DOI:10.34010/mhd.v3i2.10567

Widiastuti, H. (2024). Mengenal Sifat-Sifat Udara, Salah Satunya Memiliki Massa. (Mengenal Sifat-Sifat Udara, Salah Satunya Memiliki Massa - Kids (grid.id) Accessed time 15th May, 2024.

Zandra, Erina. (2021). Representasi Feminisme Dalam Film Joy (Analisis Semiotika Charles Sanders Peirce). Universitas Islam Indonesia. Skripsi.