APPENDICES

Appendix 1. Blueprint for Questionnaire Instrument

No	Dimension	Indicators	Items
1	**Perceiver** The perceiver is determined as an individual who did the observation of a specific thing through their organ senses and gives it meaning.	Attitude known as the reflection of the perceiver's feelings about an object can be expressed in two ways such as a pleasant and unpleasant statement (Robbins & Judge 2013)	1. What do you think about the efficiency of the time of using mind mapping in pre-writing? 2. How effective does mind-mapping help you in organizing the ideas before writing? 3. Are there any obstacles that you encounter when using mind mapping in the pre-writing process? What are they?
		Motive is defined as a reason an impetus of the perceiver to take an action (Robbins & Judge 2013)	4. Why did you used mind mapping in the pre-writing process?
		Interest is the perceiver attractively and curiosity towards the object (Robbins & Judge 2013)	5. Why are you interested in using mind mapping in the pre-writing process?

		Experience is some incident that happened to the perceiver to gain any kind of knowledge and information (Robbins & Judge 2013)	6. Does using mind mapping help you in the pre-writing process? How? 7. Does using mind mapping make you feel more confident in the pre-writing process? How? 8. Do you think mind mapping is a simple and interesting tool use in the pre-writing process? Why?
		Expectation known as perceiver's expectation of something that will happen in the future (Robbins & Judge 2013)	9. Do you feel an improvement of your writing ability while using mind mapping? How?
2	**Target** Target determined as the object of the perception that the perceiver want to observe and interpret.	Novelty is something new that contrasts with others (Robbins & Judge 2013)	10. What makes mind mapping different from the other tools in the pre-writing process?
		Motion is the sequential order in which actions are performed (Robbins & Judge 2013)	11. Did you save more time in the pre-writing process by using mind mapping? Why? 12. Do you think mind mapping easy to apply in pre-writing process? Why?

		Size is the target's perception capacity.	13. Since mind mapping is flexible, how do you think the space spent in applying mind mapping is?
		Background is the situation that supports current issues (Robbins & Judge 2013)	14. Did you get any feedback from your lecturer during using mind mapping in the pre-writing process? What is that?
		Proximity is about how close relationship between the target and the perceiver (Robbins & Judge 2013)	15. How often did you used mind mapping in the pre writing process?
		Similarity is something likeness but has some different in various aspect (Robbins & Judge 2013)	16. Is there any tool that is similar to mind mapping? What it is? 17. What is the difference between that tool and mind mapping?
3	**Situation** Situation is defined as conditions can be a place that affect the perceiver and the target.	Time is described as the arrangement of time that is needed to interpret the target by the perceiver (Robbins & Judge 2013)	18. How long did it take you to learn to apply mind mapping in the pre-writing process?
		Work setting define the circumstances that affect environment that influenced perceivers to act in a particular way (Robbins & Judge 2013)	19. Where and when did you apply mind mapping?

		Social setting is the environment that influenced perceivers to do some action(Robbins & Judge 2013)	20. Do your lecturers and friends enthusiastically recommend mind mapping to be used in the pre-writing process? How?

Appendix 2. Blueprint for Questionnaire Instrument (Translated to Bahasa Indonesia)

No.	Dimensi	Indikator	Item
1	**Penerima** Penerima didefinisikan sebagai individu yang melakukan pengamatan terhadap suatu hal tertentu melalui panca indera kemudian memberikan makna pada hal tersebut.	Sikap dikenal sebagai pencerminan perasaan yang mempersepsikan tentang suatu objek dapat diekspresikan dalam dua cara yaitu, pernyataan yang menyenangkan, dan tidak menyenangkan (Robbins & Judge, 2013)	1. Apa pendapat anda tentang efisiensi waktu penggunaan *mind-mapping* dalam aktivitas pra-menulis? 2. Seberapa efektif *mind-mapping* membantu anda dalam mengatur ide sebelum menulis? 3. Adakah kendala yang anda temui saat menggunakan *mind-mapping* dalam aktivitas pra-menulis? Apa saja hal tersebut?
		Motif didefinisikan sebagai suatu alasan yang menjadi daya dorong yang mempersepsikan, dan melakukan suatu tindakan (Robbins & Judge, 2013)	4. Mengapa anda menggunakan *mind-mapping* dalam aktivitas pra-menulis?
		Minat adalah yang mempersepsikan ketertarikan dan keingintahuan terhadap objek (Robbins & Judge, 2013)	5. Mengapa anda tertarik menggunakan *mind-mapping* dalam aktivitas pra-menulis?

		Pengalaman adalah beberapa kejadian yang dialami oleh perseptor untuk memperoleh berbagai macam pengetahuan dan informasi (Robbins & Judge, 2013)	6. Apakah menggunakan *mind-mapping* membantu anda dalam aktivitas pra-menulis? Bagaimana? 7. Apakah menggunakan *mind-mapping* membuat anda merasa lebih percaya diri dalam aktivitas pra-menulis? Bagaimana? 8. Apakah menurut anda *mind-mapping* adalah alat yang sederhana dan menarik yang digunakan dalam aktivitas pra-penulisan? Mengapa?
		Ekspektasi dikenal sebagai harapan persepsi terhadap sesuatu yang akan terjadi di masa depan (Robbins & Judge, 2013)	9. Apakah anda merasakan peningkatan kemampuan menulis saat menggunakan *mind-mapping*? Bagaimana?
2	**Target** Target adalah objek persepsi yang ingin diamati dan diinterpretasikan oleh perseptor.	Kebaruan adalah sesuatu yang baru yang kontras dengan yang lain (Robbins & Judge, 2013)	10. Apa yang membuat *mind-mapping* berbeda dari alat lain dalam aktivitas pra-penulisan?

		Gerak adalah urutan tindakan yang dilakukan (Robbins & Judge, 2013)	11. Apakah anda menghemat lebih banyak waktu dalam aktivitas pra-penulisan dengan *mind-mapping*? Mengapa? 12. Apakah menurut anda *mind-mapping* mudah diterapkan dalam aktivitas pra-penulisan? Mengapa?
		Ukuran adalah kapasitas target persepsi (Robbins & Judge, 2013)	13. Karena *mind-mapping* bersifat fleksibel, menurut anda bagaimana ruang yang dihabiskan dalam menerapkan *mind mapping*?
		Latar belakang adalah situasi yang mendukung isu terkini (Robbins & Judge, 2013)	14. Apakah anda mendapatkan umpan balik dari dosen anda selama menggunakan *mind-mapping* dalam aktivitas pra-menulis? Apa itu?
		Kedekatan adalah tentang seberapa dekat hubungan antara target dan penerima (Robbins & Judge, 2013)	15. Seberapa sering anda menggunakan *mind-mapping* dalam aktivitas pra menulis?
		Kemiripan adalah sesuatu yang serupa tetapi memiliki beberapa perbedaan dalam berbagai aspek (Robbins & Judge, 2013)	16. Apakah ada alat yang mirip dengan *mind-mapping*? Apa itu? 17. Apa perbedaan antara alat itu dan *mind-mapping*?

3	**Situasi** Situasi yaitu kondisi yang dapat menjadi tempat yang mempengaruhi pengamat dan target.	Waktu digambarkan sebagai pengaturan waktu yang diperlukan untuk menginterpretasikan target oleh perseptor (Robbins & Judge, 2013)	18. Berapa lama waktu yang anda butuhkan untuk belajar menerapkan *mind-mapping* dalam aktivitas pra-menulis?
		Pengaturan kerja yaitu menentukan keadaan yang mempengaruhi lingkungan yang mempengaruhi perseptor untuk bertindak dengan cara tertentu (Robbins & Judge, 2013)	19. Di mana dan kapan anda menerapkan *mind-mapping*?
		Pengaturan sosial adalah lingkungan yang mempengaruhi perseptor untuk melakukan beberapa tindakan (Robbins & Judge, 2013)	20. Apakah dosen dan teman anda antusias merekomendasikan *mind-mapping* untuk digunakan dalam aktivitas pra-penulisan? Bagaimana?

Appendix 3. Interview Guide

No	Dimension	Indicators	Items
1	**Perceiver** The perceiver is determined as an individual who did the observation of a specific thing through their organ senses and gives it meaning.	Attitude known as the reflection of the perceiver's feelings about an object can be expressed in two ways such as a pleasant and unpleasant statement (Robbins & Judge 2013)	1. Do you think that mind mapping plays a significant role in the pre-writing process?
		Motive is defined as a reason an impetus of the perceiver to take an action (Robbins & Judge 2013)	2. Do you consider that mind-mapping is very helpful on the pre-writing process? Why?
		Interest is the perceiver attractively and curiosity towards the object (Robbins & Judge 2013)	3. Why are you interested to use mind mapping?
		Experience is some incident that happened to the perceiver to gain any kind of knowledge and information (Robbins & Judge 2013)	4. What are challenges that you faced when using mind mapping?
		Expectation known as perceiver's expectation of something that will happen in the future (Robbins & Judge 2013)	5. What do you think about the use of mind mapping in the pre-writing process?
2	**Target** Target determined as the object of the perception that the perceiver want to observe and interpret.	Novelty is something new that contrasts with others (Robbins & Judge 2013)	6. Did you find new valuable thing when you use mind mapping? What is that?

		Motion is the sequential order in which actions are performed (Robbins & Judge 2013)	7. Did you find mind mapping as easy and quick tool to pre-writing? Why/why not?
		Size is the target's perception capacity.	8. Do you think mind mapping use too many space? Why?
		Background is the situation that supports current issues (Robbins & Judge 2013)	9. Did you get any feedback from your lecturer during using mind mapping in the pre-writing process? What is that?
		Proximity is about how close relationship between the target and the perceiver (Robbins & Judge 2013)	10. Do you always use mind mapping in pre-writing process? Why?
		Similarity is something likeness but has some different in various aspect (Robbins & Judge 2013)	11. Did you find any similar tool as mind mapping? What is that?
3	**Situation** Situation is defined as conditions can be a place that affect the perceiver and the target.	Time is described as the arrangement of time that is needed to interpret the target by the perceiver (Robbins & Judge 2013)	12. Does it take a lot of time to learn about mind mapping?
		Work setting define the circumstances that affect environment that influenced perceivers to act in a particular way (Robbins & Judge 2013)	13. Where and when did you apply mind mapping?

		Social setting is the environment that influenced perceivers to do some action (Robbins & Judge 2013)	14. Do your lecturers and friends enthusiastically recommend mind mapping to be used in the pre-writing process? How?

Appendix 4. Interview Guide (Indonesian Translation)

No.	Dimensi	Indikator	item
1	**Penerima** Penerima didefinisikan sebagai individu yang melakukan pengamatan terhadap suatu hal tertentu melalui panca indera kemudian memberikan makna pada hal tersebut.	Sikap dikenal sebagai pencerminan perasaan yang mempersepsikan tentang suatu objek dapat diekspresikan dalam dua cara yaitu, pernyataan yang menyenangkan, dan tidak menyenangkan (Robbins & Judge, 2013)	1. Apakah menurut anda *mind-mapping* berperan penting dalam aktivitas pra-menulis?
		Motif didefinisikan sebagai suatu alasan yang menjadi daya dorong yang mempersepsikan, dan melakukan suatu tindakan (Robbins & Judge, 2013)	2. Apakah menurut anda *mind-mapping* sangat membantu dalam aktivitas pra-penulisan? Mengapa?
		Minat adalah yang mempersepsikan ketertarikan dan keingintahuan terhadap objek (Robbins & Judge, 2013)	3. Mengapa anda tertarik menggunakan *mind-mapping*?
		Pengalaman adalah beberapa kejadian yang dialami oleh perseptor untuk memperoleh berbagai macam pengetahuan dan informasi (Robbins & Judge, 2013)	4. Apa tantangan yang anda hadapi saat menggunakan *mind-mapping*?
		Ekspektasi dikenal sebagai harapan persepsi terhadap sesuatu yang akan terjadi di masa depan	5. Apa pendapat anda tentang penggunaan *mind-mapping* dalam aktivitas pra-menulis?

		(Robbins & Judge, 2013)	
2	**Target** Target adalah objek persepsi yang ingin diamati dan diinterpretasikan oleh perseptor.	Kebaruan adalah sesuatu yang baru yang kontras dengan yang lain (Robbins & Judge, 2013)	6. Apakah anda menemukan hal baru yang berharga ketika anda menggunakan *mind-mapping*? Apa itu?
		Gerak adalah urutan tindakan yang dilakukan (Robbins & Judge, 2013)	7. Apakah anda menemukan *mind-mapping* sebagai alat yang mudah dan cepat untuk digunakan dalam aktivitas pra-menulis? Mengapa/mengapa tidak?
		Ukuran adalah kapasitas target persepsi (Robbins & Judge, 2013)	8. Apakah menurut anda *mind-mapping* menggunakan terlalu banyak ruang? Mengapa?
		Latar belakang adalah situasi yang mendukung isu terkini (Robbins & Judge, 2013)	9. Apakah anda mendapatkan umpan balik dari dosen anda selama menggunakan *mind-mapping* dalam aktivitas pra-menulis? Apa itu?
		Kedekatan adalah tentang seberapa dekat hubungan antara target dan penerima (Robbins & Judge, 2013)	10. Apakah anda selalu menggunakan *mind-mapping* dalam aktivitas pra-menulis? Mengapa?
		Kemiripan adalah sesuatu yang serupa tetapi memiliki beberapa perbedaan dalam berbagai	11. Apakah anda menemukan alat serupa dengan *mind-mapping*? Apa itu?

		aspek (Robbins & Judge, 2013)	
3	**Situasi** Situasi yaitu kondisi yang dapat menjadi tempat yang mempengaruhi pengamat dan target.	Waktu digambarkan sebagai pengaturan waktu yang diperlukan untuk menginterpretasikan target oleh perseptor (Robbins & Judge, 2013)	12. Apakah perlu banyak waktu untuk belajar tentang *mind-mapping*?
		Pengaturan kerja yaitu menentukan keadaan yang mempengaruhi lingkungan yang mempengaruhi perseptor untuk bertindak dengan cara tertentu (Robbins & Judge, 2013)	13. Di mana dan kapan anda menerapkan *mind-mapping*?
		Pengaturan sosial adalah lingkungan yang mempengaruhi perseptor untuk melakukan beberapa tindakan (Robbins & Judge, 2013)	14. Apakah dosen dan teman anda antusias merekomendasikan *mind-mapping* untuk digunakan dalam aktivitas pra-penulisan? Bagaimana?

Appendix 5. Expert Judge for Questionnaire

EXPERT JUDGMENT SHEET

Instrument: Blueprint for Questionnaire

Judge 1: Made Hery Santosa, S.Pd., M.Pd., Ph.D.

No	Expert Response		Suggestion
	Relevant	Irrelevant	
1	✓		Please check the suggestion of mind map term's translation below.
2	✓		
3	✓		
4	✓		
5	✓		
6	✓		
7	✓		
8	✓		
9	✓		
10	✓		
11	✓		
12	✓		
13	✓		
14	✓		
15	✓		

16	✓		
17	✓		
18	✓		
19	✓		
20	✓		

Singaraja, 23 December 2021

Judge,

Made Hery Santosa, Ph.D.

NIP 197910232003121001

Appendix 6. Expert Judge for Questionnaire

EXPERT JUDGMENT SHEET

Instrument: Blueprint for Questionnaire

Judge 2: Luh Gede Eka Wahyuni, S.Pd., M.Pd.

No	Expert Response		Suggestion
	Relevant	Irrelevant	
1	✓		
2	✓		
3	✓		
4	✓		
5	✓		
6	✓		
7	✓		
8	✓		
9	✓		
10	✓		
11	✓		
12	✓		
13	✓		
14	✓		
15	✓		
16	✓		

17	✓		
18	✓		
19	✓		
20	✓		

Singaraja, 27 Januari 2022

Judge,

Luh Gede Eka Wahyuni, S.Pd., M.Pd.

NIP. 198812012015042003

Appendix 7. Expert Judge for Interview

EXPERT JUDGMENT SHEET

Instrument: Blueprint for Open-ended Interview.

Judge 1: Made Hery Santosa, S.Pd., M.Pd., Ph.D.

No	Expert Response		Suggestion
	Relevant	Irrelevant	Please check the suggestions below.
1	✓		
2	✓		
3	✓		
4	✓		
5	✓		
6	✓		
7	✓		
8	✓		
9	✓		
10	✓		
11	✓		
12	✓		
13	✓		
14	✓		

Singaraja, 23 December 2021

Judge,

Made Hery Santosa, Ph.D.

NIP 197910232003121001

Appendix 8. Expert Judge for Interview

EXPERT JUDGMENT SHEET

Instrument: Blueprint for Open-ended Interview.

Judge 2: Luh Gede Eka Wahyuni, S.Pd., M.Pd.

No	Expert Response		Suggestion
	Relevant	Irrelevant	
1	✓		
2	✓		
3	✓		
4	✓		
5	✓		
6	✓		
7	✓		
8	✓		
9	✓		
10	✓		
11	✓		
12	✓		
13	✓		
14	✓		

Singaraja, 27 Januari 2022

Judge,

Luh Gede Eka Wahyuni, S.Pd., M.Pd.

NIP. 198812012015042003

Appendix 9. The Result of Online Questionnaire

Student 1

1. What do you think about the efficiency of the time of using mind mapping in pre-writing? *

Mind mapping in pre-writing is so efficient in terms of time since it really helps me to develop my writing faster and easier.

2. How effective does mind-mapping help you in organizing the ideas before writing? *

It is so effective. I have written down the points that will be covered in the whole writing. So, when I start to write, I already have the ideas and the points. It even helps me to create a well-organized content in my writing.

3. Are there any obstacles that you encounter when using mind mapping in the pre-writing process? What are they? *

Based on my experience, I have never faced any obstacle when using mind mapping.

4. Why did you used mind mapping in the pre-writing process? *

It helps me to write down my ideas and points I want to involve in my writing. So, I won't be confused when I start to develop my writing.

5. Why are you interested in using mind mapping in the pre-writing process? *

Since it is so beneficial and efficient to produce my writing.

6. Does using mind mapping help you in the pre-writing process? How? *

It does. In terms of my content development.

7. Does using mind mapping make you feel more confident in the pre-writing process? How? *

Yes, it does. In terms of the organization of the content. By doing mind mapping the the pre-writing helps me giving the general overview of the result of my writing.

8. Do you think mind mapping is a simple and interesting tool use in the pre-writing process? Why? *

Yes, it is. Because it helps me to use my time effectively to list out the points that I want to cover in my writing.

9. Do you feel an improvement of your writing ability while using mind mapping? How? *

I guess yes. Again, because I can develop my writing better and well-structured.

10. What makes mind mapping different from the other tools in the pre-writing process? *

It helps you to think what points you want to talk in your writing. You can add the list more or eliminate it.

11. Did you save more time in the pre-writing process by using mind mapping? Why? *

Yes, because when I have listed the points I want to involve in my writing, when I start writing, I don't need to spend time again to think what things should be involved in the writing. I just need to focus on developing my writing right away.

12. Do you think mind mapping easy to apply in pre-writing process? Why? *

Yes, since you just need to list your ideas/points you want to involve in the writing.

13. Since mind mapping is flexible, how do you think the space spent in applying mind mapping is? *

Based on my experience, using mind mapping doesn't need lot of space. I mostly just spend a side of paper to make my mind map.

14. Did you get any feedback from your lecturer during using mind mapping in the pre-writing process? What is that? *

Yes, I did. My lecturere gives feedback on some potential ideas that can be added in my writing.

15. How often did you used mind mapping in the pre writing process? *

I use mind mapping in the pre writing quite often.

16. Is there any tool that is similar to mind mapping? What it is? *

I have no idea for this.

17. What is the difference between that tool and mind mapping? *

Since I never have experience using other tools that has similar to mind mapping, so I have no idea what to say to show the difference.

18. How long did it take you to learn to apply mind mapping in the pre-writing process? *

It didn't take long time. The first time my lecturer introduced me to mind mapping, I love and enjoy using it.

19. Where and when did you apply mind mapping? *

I start applying mind mapping is at campus, whenever I do my essay writing.

20. Do your lecturers and friends enthusiastically recommend mind mapping to be used in the pre-writing process? How? *

Yes, some of my friends and lecturer really recommend me to use mind mapping in the pre writing. They recommend me by telling how mind mapping is so effective and efficient in producing our writing.

Google Forms

Student 2

1. What do you think about the efficiency of the time of using mind mapping in pre-writing? *

Mind mapping in pre-writing will consume less time in writing because we highlight the points to be written so that we will be more focused in writing.

2. How effective does mind-mapping help you in organizing the ideas before writing? *

Mind-mapping allows us to write the points in our writing. By that, we know what to write, and it can lead us to organize more ideas

3. Are there any obstacles that you encounter when using mind mapping in the pre-writing process? What are they? *

I do not find any obstacles in using the mind mapping method as it helps me a lot in writing.

4. Why did you used mind mapping in the pre-writing process? *

I use mind mapping in the pre-writing process as it is helpful to organize my writing.

5. Why are you interested in using mind mapping in the pre-writing process? *

I am interested in using the mind mapping method in the pre-writing process because it is so easy to be applied the method, yet it gives great help to my writing.

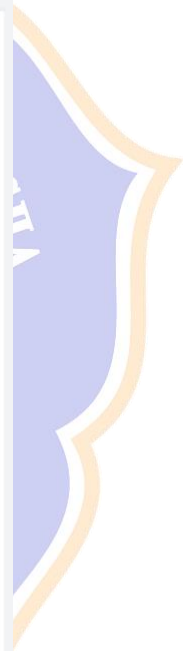6. Does using mind mapping help you in the pre-writing process? How? *

Yes, it helps me a lot in the pre-writing process as it is like guidance for me to write so that I know what I should write in my writing.

7. Does using mind mapping make you feel more confident in the pre-writing process? How? *

Yes, it makes me feel more confident as my writing can be more organized if I use this method.

8. Do you think mind mapping is a simple and interesting tool use in the pre-writing process? Why? *

Yes, it is an exciting and straightforward method to be used in the pre-writing process because it guides us to write the points of our writing first, and then it helps us organize more ideas.

9. Do you feel an improvement of your writing ability while using mind mapping? How? *

Yes, I do. My essay or paragraph be more organized and coherent.

10. What makes mind mapping different from the other tools in the pre-writing process? *

In my opinion, it differs from the way it works. So, mind-mapping is a technique when we list ideas or visualize it then it shows the relationship among the sentence in a paragraph.

11. Did you save more time in the pre-writing process by using mind mapping? Why? *

Yes, I did. Because I have to make sure all of the keywords that I list can support my topic sentence in a paragraph.

12. Do you think mind mapping easy to apply in pre-writing process? Why? *

Yes, I do. Because we only have to list the information that we are going to put in a paragraph.

13. Since mind mapping is flexible, how do you think the space spent in applying mind mapping is? *

In my opinion, the space spent in applying mind mapping is also not too much.

14. Did you get any feedback from your lecturer during using mind mapping in the pre-writing process? What is that? *

Yes. I did. It was when the keywords sometimes not approptiate enough to support the topic sentence.

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15. How often did you used mind mapping in the pre writing process? *

I always use mind-mapping in my pre-writing process.

16. Is there any tool that is similar to mind mapping? What it is? *

Probably yes, there is tool similar to mind-mapping. But, I do not it, because personally I just use mind-mapping.

17. What is the difference between that tool and mind mapping? *

I think the difference between that tool and mind mapping is on the way they work.

18. How long did it take you to learn to apply mind mapping in the pre-writing process? *

It took almost 6 months

19. Where and when did you apply mind mapping? *

I applied mind mapping in paragraph writing (second semester) and essay writing class (third semester)

20. Do your lecturers and friends enthusiastically recommend mind mapping to be used in the pre-writing process? How? *

Yes, they do. They recommend me to use mind mapping to make the sentences in my essay and paragraph be more coherent.

Student 3

1. What do you think about the efficiency of the time of using mind mapping in pre-writing? *

In my opinion, using mind mapping in pre-writing will make the time be more efficient because all of the keywords and the information that will be put in each paragraph in writing have been listed, so will make it easier for us to organized each idea in paragraph. So, the time will not be wasted to think what we are going to write in a paragraph.

2. How effective does mind-mapping help you in organizing the ideas before writing? *

Mind-mapping is very effective in helping me to organize all of the ideas before writing.

3. Are there any obstacles that you encounter when using mind mapping in the pre-writing process? What are they? *

No, there are not.

4. Why did you used mind mapping in the pre-writing process? *

I used mind-mapping to help me organized each idea in my writing so there would not be ideas that out of my topic.

5. Why are you interested in using mind mapping in the pre-writing process? *

It is because mind-mapping can help me to make a well-organized paragraph and all the sentences in my writing are coherent.

6. Does using mind mapping help you in the pre-writing process? How? *

Yes, it helps me. It helps me to list the keywords or words that related to my topic sentence. So, the paragraph will be coherent.
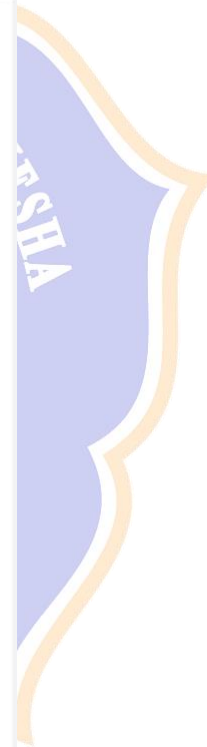
7. Does using mind mapping make you feel more confident in the pre-writing process? How? *

Yes, it does. It is because I think my writing will be a good writing.

8. Do you think mind mapping is a simple and interesting tool use in the pre-writing process? Why? *

Yes, I do. It is simple because I just have to list words that I am going to write in a paragraph, and when I am thinking about the words then put it on the list, I think it is the interesting part of using mind-mapping.

9. Do you feel an improvement of your writing ability while using mind mapping? How? *

Yes, I do. My essay or paragraph be more organized and coherent.

10. What makes mind mapping different from the other tools in the pre-writing process? *

In my opinion, it differs from the way it works. So, mind-mapping is a technique when we list ideas or visualize it then it shows the relationship among the sentence in a paragraph.

11. Did you save more time in the pre-writing process by using mind mapping? Why? *

Yes, I did. Because I have to make sure all of the keywords that I list can support my topic sentence in a paragraph.

12. Do you think mind mapping easy to apply in pre-writing process? Why? *

Yes, I do. Because we only have to list the information that we are going to put in a paragraph.

13. Since mind mapping is flexible, how do you think the space spent in applying mind mapping is? *

In my opinion, the space spent in applying mind mapping is also not too much.

14. Did you get any feedback from your lecturer during using mind mapping in the pre-writing process? What is that? *

Yes. I did. It was when the keywords sometimes not approptiate enough to support the topic sentence.

15. How often did you used mind mapping in the pre writing process? *

I always use mind-mapping in my pre-writing process.

16. Is there any tool that is similar to mind mapping? What it is? *

Probably yes, there is tool similar to mind-mapping. But, I do not it, because personally I just use mind-mapping.

17. What is the difference between that tool and mind mapping? *

I think the difference between that tool and mind mapping is on the way they work.

18. How long did it take you to learn to apply mind mapping in the pre-writing process? *

It took almost 6 months

19. Where and when did you apply mind mapping? *

I applied mind mapping in paragraph writing (second semester) and essay writing class (third semester)

20. Do your lecturers and friends enthusiastically recommend mind mapping to be used in the pre-writing process? How? *

Yes, they do. They recommend me to use mind mapping to make the sentences in my essay and paragraph be more coherent.

Appendix 10. Online Interview Transcript.

1. Do you think that mind mapping plays a significant role in the pre-writing process?

Respondent 1: Yes I think it significant because when we use mind mapping it is makes us easier to find out the idea of our writing so it is a significant in pre-writing process

Respondent 2: Yes I think so, I believe mind mapping will help in the pre-writing process because mind mapping will help myself personally to write down whatever I think or cross my mind so I will help me to organize everything that I think about the topic

Respondent 3: In my opinion it is plays so important role especially in pre-writing because it help us as, especially me when I was experiencing mind mapping in third semester it really helpful for me to write down my ideas before I develop my writing it is really important in the pre-writing

2. Do you consider that mind-mapping is very helpful on the pre-writing process? Why?

Respondent 1: Yes it is very helpful as I mention previously that if we will make mind mapping it can like your mapping idea so once when you write it we did not confused with the idea or lost the idea itself

Respondent 2: I think it is helpful in pre-writing process because it help me to brainstorm ideas and just write down everything I that at the moment

so I can just write down everything that cross my mind so I'm not afraid to write because I can write whatever comes to my mind first and then organize the ideas

Respondent 3: Well base on my experience it's really, really helpful I think I was mention before whenever I want to write essay or producing my writing in need to list my point, my ideas into several points of course in mind mapping I can do that list out my ideas about thing that I can put or I can add in my paragraph of my essay so it is really helpful to categorizing the points that I want to add in my writing

3. Why are you interested to use mind mapping?

Respondent 1: Because sometime in the writing especially in the pre-writing there lot of idea stride up in my mind so I have to make it more organize so mind mapping is really helpful for me to in organize to or to write something. The shape very interesting also because you know sometimes in writing we easily get bored because there are a lot of like a word a paragraph but when we use mind mapping we can visualized our idea by some pictures so we can directly remember oh okay this is our idea by seeing or looking at the picture and also the shape

Respondent 2: I am interested to use mind mapping because firstly it introduce by if I not mistaken Mrs. Eka Wahyuni and she told me that a great way to write and also Mr. Eka Dambayana because it a great way to first

starting the writing because usually when we first start the writing we would be scared to write anything and so we just use mind mapping to brainstorm our idea first and then organize it letter. Because it easy you just can do it in a piece of paper even any paper, so it's easy to do everywhere

Respondent 3: I am interested to use mind mapping because it easy to use first and then it's help me to categorize the idea that I want to put in my paragraph of writing so that I don't get confused when I develop my writing or when I develop my idea in my writing that why interest to use it. Mind mapping is easy because I just need to put my general idea first and divided into some points in the first paragraph what I want to say, in the second paragraph what I would like to I explain and so on and the other paragraph so it won't takes much effort for me because I just need to list out as what I understand of mind mapping. So I just need to list out from general to specific and then more specific. So that why I say it easy to use

4. What are challenges that you faced when using mind mapping?

Respondent 1: I think the challenge, the biggest challenge is to find out like the real idea, I mean like the minimum topic how can I say it like it should be in short words right in the mind mapping, I mean we are not allow to use such a letter paragraph I think to find out the idea to put in the mind mapping is the biggest challenge for me

Respondent 2: May be the challenges when I used mind mapping is because I write everything that cross my mind so sometimes I went off track and confused on what should I write so too many ideas have been written, so I'm confused about how to write it or how to connect everything into one piece.

Respondent 3: I'm not sure I faced a lot of challenges in using mind mapping, but maybe not in the implementing mind mapping but it is more into like so after I list my point that I already put in my mind mapping so when I start make it or transforming it into the writing or the essay somehow I found that some point are unnecessary to be added so may just in that point sometimes I need to choose again or I have to select of eliminating some unwanting point on my paragraph so once again I think I don't experience challenging in using mind mapping itself

5. What do you think about the use of mind mapping in the pre-writing process?

Respondent 1: I think it is very helpful first and also I can facilitate the idea of writer idea because as I said previously we can use some pictures that's why it also help me because when I cannot find the keyword so I can put like picture in it and it really helpful"

Respondent 2: I think it's really interesting because it similar to the drawing and I really like to draw, I am not a good drawer but I think it similar to drawing because you just make a mind like a cloud it's like drawing

circles then writing the keyword and then making another branch, and continuing with that so it's really flexible and easy to apply

Respondent 3: I think I would be similar as the previous thing that I have said already so I think it is very useful, it help a lot especially for the beginner in developing the ideas or list the point they want to write so the writing won't be abstract, going everywhere, so it can be flowing well. So by using mind mapping it help the beginner to write down or to make the essay before they are starting to write mind mapping help a lot in that point, in that side

6. **Did you find new valuable thing when you use mind mapping? What is that?**

Respondent 1: Yes, yes it really valuable because the other instruments that I have used previously it like very strict so it's only the table and we write the first idea and the second however in the mind mapping it's more flexible so we can put the pictures, put the keywords, put the line rather the line is like triangle, rectangle, hexagon so we can you know we can create in anything we want as long as the mind mapping represent our idea in the writing itself"

Respondent 2: I think the valuable thing that I found is I find a lot of ideas coming in rather than starting writing you know so it's like using mind mapping I get more ideas when I stuck in one paragraph, so I can add more ideas because it is helped by mind mapping

Respondent 3: I think when I need to choose proper keywords, let say if I have idea in this idea quite long in my mind so I need to figure it out the simple keyword to put in the mind mapping. I think it's quite valuable since I need to simplify my taught into like one keyword or only on word in there

7. **Did you find mind mapping as easy and quick tool to pre-writing? Why/why not?**

Respondent 1: Yes it easy because it facilitate the idea but I don't think it is really quick because sometimes I have to find out the picture right to represent the idea as well as the keywords, it also the challenge it is not really quick but it helpful"

Respondent 2: I agree with that I think it a simple way to start the writing because you only need piece of paper and a pen and just write down everything you think about mind topic and branches it out as many as possible for the idea

Respondent 3: I would say it is quite easy as what I have said before I just need to think about the general idea and I need to divided into some small thing or small circle and I put again it circle I put my the idea that I want to write down in my paragraph or in in my writing. And is it quick or not I would say it quite quick because again since I have already list keyword that I want to put or I want to talk in my writing so when I develop my writing and I see this word or the second keyword and my brain just connected okay I need to write about this

and before write about this I need to put a sentence that can connect
one idea into the next idea and I don't need to spend a lot of time to
think again like what should I write next I just need to check the
mind mapping because I listed there so it is quite quick for me

8. Do you think mind mapping use too many space? Why?

Respondent 1: It use many spaces but I don't think it too many, I think it always
depend on the writing or on the topic of writing but I think it use
more space rather than other instrument, because you know the line
it can be whatever we want right so when we want to make it like
long line and big shape so yes it use more space I guess. I used three
pages, I think it more than three"

Respondent 2: For me personally yes because when I write something
spontaneously I wrote thing in a big later and because I like to draw
I draw everything in a big space so sometimes spend two pieces of
paper in a regular book or sometimes use a drawing book

Respondent 3: Well because I write it down usually in A4 just like one paper make
it landscape layout so one paper is enough but I think it also depend
on what kind of writing do we make. So my experience I take one
side of paper it's enough. So would say it doesn't take much space

**9. Did you get any feedback from your lecturer during using mind mapping
in the pre-writing process? What is that?**

Respondent 1: Yes I did, so think my lecturer said that I just need to make it simpler as you know I brought a lot of idea so it should be simpler than that. I mean, I think I brought the same keywords which actually have same coloration so my lecturer at that time said that it "is actually have same coloration so you can just write one you don't need to write another idea because it actually the same"

Respondent 2: No the lecturer did not give me any feedback and did not check on my mind mapping, they just ask directly to the writing process

Respondent 3: Yes so when I experience using mind mapping my essay writing course we need to do consultation with the lecture in once I show my mind mapping to her she gave me feedback on some point that can be added more in the circle that I make so then my essay or my writing will be more detail

10. Do you always use mind mapping in pre-writing process? Why?

Respondent 1: Actually not always because the writing is only for about four pages our five pages I can just write down whatever I have in my mind like in paragraph and after that I do the prove reading. However it the writing is more than five pages I think it is very important to me to make the mind mapping because it help me to remember the idea. So it not always it depend on the how many pages of my writing

Respondent 2: I don't usually use mind mapping, I think I use mind mapping only when the writing it's really, really hard to make for example maybe fiction stories, like fantasy stories, on non-structured writing

Respondent 3: So far yes if I in like I need to write down the thing or I need to make the assignment which the essay quite a lot I need to use the mind mapping because again it's helps me to categorize my ideas also listed out, but I wouldn't say every time. I just say that whenever I made the essay like making paragraph or writing assignment that is quite complicated for me I need to use mind mapping so. If I give percentage I would say like 70% of 100% of using mind mapping

11. Did you find any similar tool as mind mapping? What is that?

Respondent 1: I don't think I found similar like that (mind mapping), the diagram the infographic maybe it quite similar? I think it quite similar"

Respondent 2: I don't think I find any, maybe I just write down list what to write but it usually use for structure writing for example like an essay so I will just write the first is opening and the second one is content and the last one is closing and then write down everything I need to write on the inside of that, just listing

Respondent 3: To be honest like I don't know what is similar tool that is meant here, but I have one lecturer that introduce me on digital mind mapping, it is still mind mapping but the differences that the first mind mapping that I use or experience is making manual and one other lecturer introduce me about this digital mind mapping so I don't know I don't have experience in knowing about similar tool as mind mapping. I don't have idea.

12. Does it take a lot of time to learn about mind mapping?

Respondent 1: So when my teacher taught me about mind mapping I directly understand how to use it and it is also because the lecturer taught me very detail so I could understand easily how to apply it in my pre-writing and how to use it and what the function of mind mapping and how to draw it

Respondent 2: No I think my lecturer only explain in twenty minutes how to do it and we do it right away

Respondent 3: I am personally no, like the lecture say about how to do the mind mapping, what things to do, I can get it quick

13. Where and when did you apply mind mapping?

Respondent 1: The first I apply it in academic writing, the second one in my thesis for the chapter one only. Like in the research background I think a lot of idea come up so we have to put what is the keyword in it and after that we have to elaborate it. And even it helpful because when use mind mapping I when I did the presentation or the power point I just look back to the mind mapping because it only the keyword right so it helpful in presenting the idea

Respondent 2: I think it started in early semester in writing course. When, before I make something like my experiences or some story for magazine which was requested by the lecture

Respondent 3: First time I using mind mapping is when I was in the third semester and where of course at campus but than once I knew it and I got my lecturer introduce me in using mind mapping before we write our paragraph also whenever I get writing assignment

14. Do your lecturers and friends enthusiastically recommend mind mapping to be used in the pre-writing process? How?

Respondent 1: I honestly don't know whether my lecture enthusiastically introduce it but I think the only one that she introduce is mind mapping of I guess that my lecture really recommend it because I think it the only one that my lecturer introduce to us in my class so I think yes my lecture recommend it. I have talk with one of two my friend, so one of them really interested with the mind mapping because she like to draw and kind of stuff so it help her and she did recommend mind mapping to me. However another friend, my friend do not really like it I guess because I think if I not mistaken my friend has difficulty to write mind mapping so my friend just directly write the paragraph and put the idea in the paragraph. I it depend to the person

Respondent 2: I think only my lecturer do that, and the other students just usual they didn't say anything about it. But the lecturer really suggest it before writing something to brainstorm ideas

Respondent 3: I haven't heard my friends enthusiastically recommend mind mapping but my lecturers do. So my lecture they introduce me mind mapping both manual and digital and they said that we should try

mind mapping because it help we a lot in organize our idea before writing, they recommend it during the class when they give the writing assignment, they give explanation how mind mapping useful for the beginner in writing.

RIWAYAT HIDUP

Kadek Anggun Sentyawati lahir di Gobleg pada tanggal 21 Oktober 1999. Penulis lahir dari pasangan suami istri Bapak Made Neksen dan Ibu Luh Suparwati. Penulis berkebangsaan Indonesia beragama Hindu. Kini penulis beralamat di Banjar Dinas Asah, Desa Gobleg, Kecamatan Banjar, Kabupaten Buleleng, Provinsi Bali. Penulis menyelesaikan pendidikan dasar di SD Negeri 5 Gobleg dan lulus pada tahun 2011 kemudian penulis melanjutkan di SMP Satu Atap Negeri Satu Banjar dan lulus pada tahun 2014. Kemudian, penulis lulus dari SMK Negeri 2 Singaraja dengan jurusan Akomodasi Perhotelan pada tahun 2017 dan melanjutkan ke S1 Program Studi Pendidikan Bahasa Inggris, Jurusan Bahasa Asing di Universitas Pendidikan Ganesha. Pada semester akhir tahun 2022 penulis telah menyelesaikan Skripsi dengan judul "ENGLISH LANGUAGE EDUCATION SENIOR STUDENT' PERCEPTION TOWARDS THE USE OF MIND MAPPING AS A LEARNING TOOL IN THE PRE-WRITING PROCESS"