

Appendix 1 Expert Judge Forms for Questionnaire

Expert Judge Response Sheet (Questionnaire)

Number Of Item	Decision		Suggestion
	Relevant	Irrelevant	
1	✓		-
2	✓		-
3	✓		-
4	✓		-
5	✓		-
6	✓		-
7	✓		-
8	✓		-
9	✓		-
10	✓		-
11	✓		-
12	✓		-
13	✓		-
14	✓		-
15	✓		-
16	✓		-
17	✓		-
18	✓		-
19	✓		-
20	✓		-
21	✓		-
22	✓		-
23	✓		-
24	✓		-
25	✓		-

26	✓		-
27	✓		-
28	✓		-

Singaraja, 04 September 2019



Made Hery Santosa, Ph.D.



Expert Judge Response Sheet (Questionnaire)

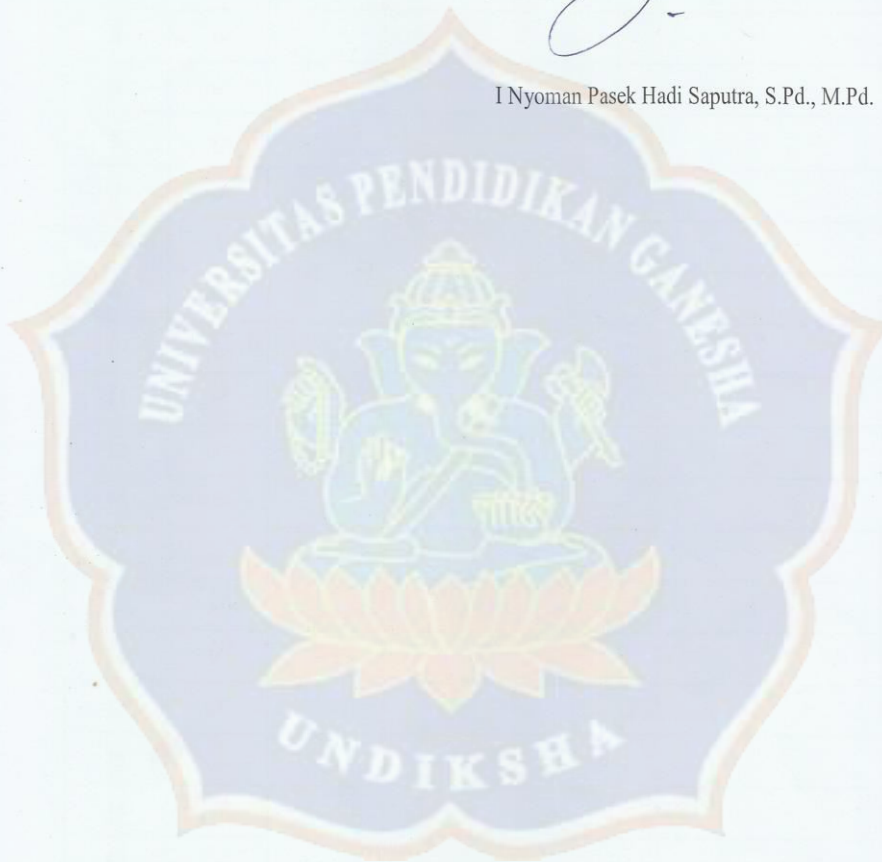
Number Of Item	Decision		Suggestion
	Relevant	Irrelevant	
1	✓		-
2	✓		-
3	✓		-
4	✓		-
5	✓		-
6	✓		-
7	✓		-
8	✓		-
9	✓		-
10	✓		-
11	✓		-
12	✓		-
13	✓		-
14	✓		-
15	✓		-
16	✓		-
17	✓		-
18	✓		-
19	✓		-
20	✓		-
21	✓		-
22	✓		-
23	✓		-
24	✓		-
25	✓		-

26	✓		
27	✓		
28	✓		

Singaraja, 04 September 2019



I Nyoman Pasek Hadi Saputra, S.Pd., M.Pd.



Appendix 2 Expert Judge Forms for Interview Guide

Expert Judge Response Sheet (Interview Guide)

Number Of Item	Decision		Suggestion
	Relevant	Irrelevant	
1	✓		
2	✓		
3	✓		
4	✓		
5	✓		

Singaraja, 04 September 2019



Made Hery Santosa, Ph.D.

Expert Judge Response Sheet (Interview Guide)

Number Of Item	Decision		Suggestion
	Relevant	Irrelevant	
1	✓		
2	✓		
3	✓		
4	✓		
5	✓		

Singaraja, 04 September 2019



I Nyoman Pasek Hadi Saputra, S.Pd., M.Pd.

Appendix 3 Teachers Questionnaire

KUESIONER PERSEPSI SISWA/SISWI DALAM PENGGUNAAN VIRTUAL REALITY (VR) SEBAGAI MEDIA BELAJAR

NAMA :

NO. HP :

** Nama dan No.Hp dianggap perlu untuk menghubungi siswa/siswi yang dipilih untuk melakukan wawancara pada tahap selanjutnya.*

1. Kuesioner ini terdiri dari 28 pertanyaan, bertujuan untuk mengukur persepsi siswa/siswi terhadap penggunaan Virtual Reality (VR) sebagai media pembelajaran, isilah seluruh kuesioner ini sesuai dengan petunjuk pengisian dibawah.
2. Apa yang anda isi **tidak ada kaitannya dengan nilai** anda, oleh karena itu isilah setiap item pada pernyataan dengan sejujur-jujurnya sesuai dengan apa yang anda alami, rasakan dan lakukan selama mempelajari bahasa inggris.
3. Pastikan anda telah mengisi seluruh pertanyaan di dalam kuesioner ini.

Petunjuk pengisian:

Isilah dengan tanda check (√) pada kolom dari setiap nomor pernyataan yang paling sesuai dengan apa yang anda alami. Pengertian yang ada dalam kolom tersebut adalah sebagai berikut.

SS = Sangat Setuju
S = Setuju
RR = Ragu-Ragu
TS = Tidak Setuju
STS = Sangat Tidak Setuju

No	Pernyataan	Pilihan				
		SS	S	RR	TS	STS
1	Belajar bahasa Inggris dengan menggunakan Virtual Reality (VR) dapat memberikan pembelajaran yang lebih nyata dibandingkan dengan media lain selain Virtual Reality.					
2	Belajar bahasa Inggris dengan menggunakan VR dapat memperkuat pengetahuan siswa/siswi dalam pemahaman materi dan juga memberikan					

	informasi lebih rinci terkait dengan topik yang diberikan.					
3	Belajar bahasa Inggris yang dibantu oleh VR dapat membantu siswa/siswi dalam menemukan berbagai informasi yang bermanfaat terkait dengan mata pelajaran yang dibahas di dalam kelas.					
4	Mempelajari bahasa Inggris dengan dibantu oleh VR dapat memberikan informasi yang kontekstual terkait dengan materi pelajaran.					
5	Belajar bahasa Inggris dengan menggunakan VR dapat membuat pembelajaran lebih menyentuh kehidupan nyata.					
6	Belajar bahasa Inggris dibantu oleh VR dapat membantu siswa/siswi untuk lebih banyak mendapat informasi tambahan untuk memahami pelajaran.					
7	Belajar bahasa Inggris ketika dibantu oleh VR dapat memberikan siswa lebih banyak informasi dibandingkan dengan ketika tidak menggunakan media non-VR.					
8	VR dapat membantu siswa/siswi agar dapat terbiasa menggunakan teknologi.					
9	Belajar bahasa Inggris dengan bantuan VR dapat menginspirasi siswa agar belajar lebih banyak terkait tentang materi yang diberikan oleh guru selama di dalam kelas.					
10	Menurut saya VR dapat lebih menekankan detail subjek/ maupun objek yang akan menjadi materi dalam proses pembelajaran.					
11	Saya yakin dan percaya bahwa belajar bahasa Inggris dengan menggunakan VR dapat membantu saya dalam memahami materi pelajaran dengan lebih mudah.					
12	VR dapat memperkuat materi/pembelajaran yang diberikan oleh guru ketika ketika digunakan sebagai media pembelajaran.					
13	siswa/siswi dapat mendapatkan pencerahan tentang materi yang dipelajari dan juga mereka dapat menjaga informasi yang didapat dari materi yang diberikan saat dibantu oleh VR					
14	Menurut saya VR dapat membantu siswa/siswi dalam mengenali konteks materi pada proses pembelajaran ketika VR digunakan sebagai media pembelajaran.					

15	Menurut saya VR dapat memberikan sudut pandang dari sisi lain ketika digunakan sebagai media Belajar Bahasa Inggris					
16	Mempelajari bahasa Inggris yang dibantu oleh VR dapat menjadikan siswa/siswi supaya ingin terus belajar di dalam maupun di luar kelas.					
17	Belajar bahasa Inggris ketika dibantu oleh VR dapat membantu saya menjawab setiap pertanyaan yang diberikan oleh guru yang terkait dengan materi yang diberikan					
18	Dengan menggunakan VR siswa/siswi, dapat menambah informasi yang diberikan oleh guru ketika mereka Belajar bahasa Inggris					
19	Dengan menggunakan VR siswa /siswi, dapat terbantu ketika menjawab pertanyaan yang diberikan oleh guru ketika Belajar bahasa Inggris					
20	Dengan menggunakan VR siswa/siswi, dapat bereaksi terhadap informasi yang diberikan oleh guru ketika Belajar bahasa Inggris					
21	Dengan menggunakan VR siswa dapat membuat dirinya bersemangat mengikuti kelas.					
22	Belajar bahasa Inggris yang dibantu oleh VR dapat membuat proses belajar mengajar lebih hidup dibandingkan dengan media non-VR					
23	Belajar bahasa Inggris yang dibantu oleh VR dapat membuat siswa/siswi menikmati proses belajar mengajar dengan pengalaman nyata.					
24	Belajar bahasa Inggris yang dibantu oleh VR membuat siswa terbantu dalam menggambarkan/mengimajinasikan tentang materi yang diberikan selama proses pembelajaran.					
25	Dengan menggunakan VR siswa/siswi dapat mengerti serta, dapat menjelaskan kembali informasi yang diberikan dengan lebih jelas.					
26	Mempelajari bahasa Inggris yang dibantu oleh VR dapat memberikan objek bergerak yang membantu siswa/siswi untuk memahami materi dengan lebih jelas.					
27	Dengan menggunakan VR siswa/siswi, dapat menemukan serta menggali lebih banyak informasi ketika belajar bahasa Inggris					

28	Dengan menggunakan VR, siswa/siswi dapat menunjukkan pengetahuan yang mereka peroleh selama proses pembelajaran dengan lebih jelas.					
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Terimakasih atas partisipasinya

Have a nice day ☺



Appendix 4 Students Questionnaire

KUESIONER PERSEPSI SISWA/SISWI DALAM PENGGUNAAN VIRTUAL REALITY (VR) SEBAGAI MEDIA BELAJAR

NAMA :

KELAS:.....

NO. HP:

** Nama dan No.Hp dianggap perlu untuk menghubungi siswa/siswi yang dipilih untuk melakukan wawancara pada tahap selanjutnya.*

1. Kuesioner ini terdiri dari 28 pertanyaan, bertujuan untuk mengukur persepsi siswa/siswi terhadap penggunaan Virtual Reality (VR) sebagai media pembelajaran, isilah seluruh kuesioner ini sesuai dengan petunjuk pengisian dibawah.
2. Apa yang anda isi **tidak ada kaitannya dengan nilai** anda, oleh karena itu isilah setiap item pada pernyataan dengan sejujur-jujurnya sesuai dengan apa yang anda alami, rasakan dan lakukan selama mempelajari bahasa inggris.
3. Pastikan anda telah mengisi seluruh pertanyaan di dalam kuesioner ini.

Petunjuk pengisian:

Isilah dengan tanda check (√) pada kolom dari setiap nomor pernyataan yang paling sesuai dengan apa yang anda alami. Pengertian yang ada dalam kolom tersebut adalah sebagai berikut.

- SS** = Sangat Setuju
S = Setuju
RR = Ragu-Ragu
TS = Tidak Setuju
STS = Sangat Tidak Setuju

No	Pernyataan	Pilihan				
		SS	S	RR	TS	STS
1	Belajar bahasa Inggris dengan menggunakan Virtual Reality (VR) dapat memberikan saya pembelajaran yang lebih nyata dibandingkan dengan media lain selain Virtual Reality.					

2	Belajar bahasa Inggris dengan menggunakan VR memperkuat pengetahuan saya dalam pemahaman materi dan juga memberikan informasi lebih rinci terkait dengan topik yang diberikan.					
3	Belajar bahasa Inggris yang dibantu oleh VR membantu saya dalam menemukan berbagai informasi yang bermanfaat terkait dengan mata pelajaran yang dibahas di dalam kelas.					
4	Mempelajari bahasa Inggris dengan dibantu oleh VR dapat memberikan saya informasi kontekstual terkait dengan materi pelajaran.					
5	Sebagai seorang siswa/siswi, saya percaya bahwa belajar bahasa Inggris dengan menggunakan VR lebih menyentuh kehidupan nyata.					
6	Sebagai seorang siswa/siswi, saya percaya bahwa belajar bahasa Inggris yang dibantu oleh VR dapat membantu saya dengan lebih banyak informasi tambahan untuk memahami pelajaran.					
7	Sebagai seorang siswa/siswi, saya memperoleh lebih banyak informasi dalam belajar bahasa Inggris ketika dibantu oleh VR dibandingkan dengan ketika tidak menggunakan media non-VR.					
8	VR membantu saya sebagai siswa/siswi agar dapat terbiasa menggunakan teknologi.					
9	Belajar bahasa Inggris dengan bantuan VR dapat menginspirasi saya belajar lebih banyak terkait tentang materi yang diberikan oleh guru selama di dalam kelas.					
10	Sebagai seorang siswa/siswi, VR bisa lebih menekankan detail subjek/ maupun objek yang akan menjadi materi dalam proses pembelajaran.					
11	Sebagai seorang siswa/siswi, saya percaya bahwa belajar bahasa Inggris dengan menggunakan VR dapat membantu saya dalam memahami materi pelajaran dengan lebih mudah.					
12	Sebagai seorang siswa/siswi, saya dapat memperkuat materi/pembelajaran yang diberikan oleh guru ketika dibantu oleh VR sebagai media pembelajaran.					
13	Sebagai siswa/siswi, saya mendapatkan kejelasan tentang materi dan juga dapat menjaga kejelasan dari materi yang diberikan saat dibantu oleh VR					

14	Sebagai seorang siswa/siswi saya dapat mengenali konteks materi pada proses pembelajaran ketika dibantu oleh VR sebagai media pembelajaran.					
15	Sebagai siswa/siswi saya bisa melihat sudut pandang dari sisi lain ketika Belajar Bahasa Inggris dengan bantuan VR sebagai media.					
16	Mempelajari bahasa Inggris yang dibantu oleh VR menjadikan saya sebagai siswa/siswi yang ingin terus belajar di dalam atau di luar kelas.					
17	Sebagai seorang siswa, saya percaya bahwa belajar bahasa Inggris yang dibantu oleh VR membantu saya menjawab setiap pertanyaan yang diberikan oleh guru yang terkait dengan materi.					
18	Sebagai siswa/siswi, saya dapat menambah informasi yang diberikan oleh guru ketika Belajar bahasa Inggris dengan dibantu oleh VR					
19	Sebagai siswa /siswi, saya dapat menjawab pertanyaan yang diberikan oleh guru ketika Belajar bahasa Inggris dengan dibantu oleh VR					
20	Sebagai siswa/siswi, saya dapat bereaksi terhadap informasi yang diberikan oleh guru ketika Belajar bahasa Inggris yang dibantu oleh VR					
21	Mempelajari bahasa Inggris dengan bantuan VR dapat membuat saya bersemangat mengikuti kelas.					
22	Belajar bahasa Inggris yang dibantu oleh VR dapat membuat proses belajar mengajar lebih hidup dibandingkan dengan media non-VR					
23	Belajar bahasa Inggris yang dibantu oleh VR dapat membuat saya sebagai siswa/siswi menikmati proses belajar mengajar dengan pengalaman nyata.					
24	Belajar bahasa Inggris yang dibantu oleh VR membantu saya dalam menggambarkan/mengimajinasikan tentang materi yang diberikan selama proses pembelajaran.					
25	Sebagai seorang siswa/siswi, saya percaya bahwa saya dapat mengerti serta menjelaskan kembali informasi yang diberikan dengan lebih jelas ketika dibantu oleh VR					
26	Mempelajari bahasa Inggris yang dibantu oleh VR dapat memberikan objek bergerak yang membantu saya untuk memahami materi dengan lebih jelas.					

27	Sebagai seorang siswa, saya dapat menemukan lebih banyak informasi terkait dengan mata pelajaran ketika belajar bahasa Inggris dibantu oleh VR					
28	Sebagai seorang siswa, saya dapat menunjukkan pengetahuan yang diperoleh selama proses pembelajaran dengan mudah ketika dibantu oleh VR					



Appendix 5 Teachers Interview Guide

INTERVIEW GURU

No	Theories	Related Dimensions	Statements Of Questions	Purpose
1	Gadelha (2018)	Experience	Apakah sebelumnya anda pernah mengajar/ menggunakan Virtual Reality?	To investigate how the students feeling related to Virtual Reality (VR) is being used as the learning media. The question also aims to know how the students feeling when learning English using Virtual Reality (VR).
2			Menurut anda bagaimana Perasaan siswa ketika diajar menggunakan Virtual Reality?	
3		Imagination	Apakah menurut anda belajar menggunakan Virtual Reality dapat membantu siswa/siswi dalam mengembangkan imajinasi mereka?	To investigate about students imagination inside the Virtual World using Virtual Reality (VR) as learning media.
4		Interaction	Menurut bapak/ibu apakah dengan menggunakan VR (Virtual Reality) sebagai media belajar siswa/siswi dapat terbantu untuk menggali lebih banyak informasi?	To investigate how the Virtual Reality (VR) gives a chance to students/teachers/users in the way of making a contact as well as observed the object while in the Virtual World inside the virtual reality.
5			Menurut bapak/ibu penggunaan VR (Virtual Reality) sebagai media belajar dapat membuat siswa mengeksplor materi yang diberikan dari berbagai macam sudut pandang?	

Appendix 6 Students Interview Guide

INTERVIEW SISWA

No	Theories	Related Dimensions	Statements Of Questions	Purpose
1	Gadelha (2018)	Experience	Apakah sebelumnya anda pernah diajar menggunakan Virtual Reality didalam kelas?	To investigate how the students feeling related to Virtual Reality (VR) is being used as the learning media. The question also aims to know how the students feeling when learning English using Virtual Reality (VR).
2			Menurut anda bagaimana Perasaan anda ketika diajar menggunakan Virtual Reality didalam kelas?	
3		Imagination	Apakah menurut anda belajar menggunakan Virtual Reality dapat membantu anda sebagai siswa/siswi dalam mengembangkan imajinasi anda?	To investigate about students imagination inside the Virtual World using Virtual Reality (VR) as learning media.
4		Interaction	Menurut anda sebagai siswa/siswi apakah belajar dibantu menggunakan VR (Virtual Reality) dapat memberikan anda bantuan agar menggali lebih banyak menggali informasi?	To investigate how the Virtual Reality (VR) gives a chance to students/teachers/users in the way of making a contact as well as observed the object while in the Virtual World inside the virtual reality.

5			Menurut anda sebagai siswa/siswi apakah ketika anda belajar dan dibantu menggunakan VR (Virtual Reality) dapat membantu anda untuk mengeksplor materi lebih variatif dari berbagai macam sudut pandang?	
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Appendix 7 Students Transcripts

STUDENT 1 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 1 ANSWERS

#1 Yes I did

#2 Yes, it was very good and comfortable, because it helped me to gain many things

#3 It could help, it was like to being able to look for things

#4 It fairly helped me too while using VR

#5 Yes it could, I could see from various view angles for example above and below.

STUDENT 2 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 2 ANSWERS

- #6 Never before, but I had been taught before by you sir
- #7 Yes, it was very fun because we could see so many things
- #8 Yes, it made us easier to describe what we see sir.
- #9 Yes, there was a lot of information, but it was still hard for me to tell in public
- #10 Yes it could, and I had also tried it

STUDENT 3 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 3 ANSWERS

#11 Yes I have

#12 It was Very interesting because I could know about many things from Virtual Reality, and also be able to know the area that is across the country

#13 Yes you could, because we could see the buildings that in there, for example, like a pyramid, what were in there, like what was there and also the area

#14 I got a lot of information because it felt that we were there

#15 Yes it could, like for example we saw something on the right and it was for different from what are we looking forward in front of the building and also on the road there.



STUDENT 4 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 4 ANSWERS

#16 Yes I had

#17 It was very exciting because everything that exist in Virtual Reality are looks real and also I could see the object around

#18 In my opinion it could, because the lessons will become more real and also can be received well with clearly visible

#19 Yes, sis, because the video was very interesting, because it also looked real so it was very interesting

#20 I was trying to do it, like looking to the right and to the left, which is different from the other side, and also the Eifel tower was displayed very clear.

STUDENT 5 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 5 ANSWERS

#21 Yes I had

#22 Yes, because learning with Virtual Reality was fun and very exciting for me

#23 It was helpful, for example when we saw Monas, we usually only knew the shape, but not the shape around the building, but with Virtual Reality we could know the shape around the Monas clearly.

#24 In my opinion, I could get more information because we were interested in finding more videos related with Monas, like example we could know the height of the Monas

#25 Already, for example, I saw, there were people that making videos and on the right side and their left were a different view, for example, there is a lake on the right, in front there are buildings and also the river on the right of the building.



STUDENT 6 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 6 ANSWERS

#26 I had heard about that.

#27 Because, in my opinion learning with use Virtual Reality was very fun, even I can learn and know about many things that new while using VR

#28 Yes, it sure can help because we can see and know about many things, even I could learn and know about the new things.

#29 In my opinion it could, because there are many things in that place, I could even explain it or find another new objects in that place.

#30 Yes, because I could see not only the place, but, I could also see things around it as well

STUDENT 7 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 7 ANSWERS

#31 Yes i knew

#32 It was so exciting, because we could know about the place on the other country, and also something that exist there

#33 Yes, because with Virtual Reality I could see some buildings that I never ever visited yet.

#34 Yes it could, because in the video I could see everything and could know many things from it.

#35 Yes I did, I learned about something new because the picture in front of me has a picture of the building and behind me the picture is different from the one behind me.



STUDENT 8 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 8 ANSWERS

#36 Yes I ever heard about that

#37 It was Interesting, because I could find a place that I have never known before.

#38 Yes, with Virtual Reality I could see a lot of tourism place and it was so real displayed.

#39 Yes, because with Virtual Reality I could know so many things and also Virtual Reality made me know more about the tourism place that was displayed

#40 Yes, when I try and see the picture in front of me is different from what is next to me but I'm still in the same tourism place at that moment.



STUDENT 9 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 9 ANSWERS

- #41 Yes I did know about it
- #42. That was cool, because I could get information about interesting places around the world
- #43. I could get so many things, like I could know the place, how things were there and also the people who came to visit
- #44. Yes it could, I could know about anything in the place I visited, also I could find a new buildings that I didn't know yet
- #45. Yes, because when I looked to the left and right I see a lot of buildings there too, also the video was also moving as if I was walking there.

STUDENT 10 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality)?
2. How do you think you felt when you learned that you were helped using VR (Virtual Reality)?
3. Do you think learning assisted by VR (Virtual Reality) can help you as a student to be able to develop your imagination?
4. Do you think as a student learning assisted by VR (Virtual Reality) can provide you with assistance so that you dig more the information?
5. Do you think as a student, when you study and assisted by VR (Virtual Reality) it can help you to explore material more various from many perspectives?

STUDENT 10 ANSWERS

#46 I ever heard about it before

#47 it was good, because I could see everything from the video as well as a lot of new information that I got from there

#48 Yes, I could see everything in a great detail, like for example from the shape, the colors, and they were all visible clearly

#49 Yes, I could know many objects that I had not yet seen before.

#50 Yes, I could see so many things because when I looked around me, there were many things that I could know based from the color of the building, their size, their color even about the people who were visiting the place

Appendix 8 Teachers Transcripts

TEACHER 1 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality) before?
2. Based on your view, how do students feel when learning assisted by VR (Virtual Reality)?
3. Do you think that learning by using VR (Virtual Reality) can help students develop their imagination?
4. Do you think with VR (Virtual Reality) as a teaching for students it can help the students to dig up more information?
5. Based on your view, the use of VR (Virtual Reality) as a teaching can make students explore the material provided from various perspectives?

TEACHER 1: IBU DESAK RESPONSES

#51 I had heard the term VR (Virtual Reality), yes, but I was not too knowledgeable about that. Also I had never been use it in learning

#52 Yes, in my opinion, when the are given Virtual Reality they are very enthusiastic, also very exited because maybe this is a new thing for them too, related to this technology, it must be very close to their lives Then surely virtual reality was very interesting for them. And based on my point of view, I think that was possible, given that this technology by this case VR could help them to explain even more information

#53 Yes of course, very well yes, because if we only imagine something only with words or maybe with ordinary pictures, maybe learning becomes not too full delivered. But when using tools like VR (Virtual Reality) wow it's amazing, plus they could also see things up to 360 degrees, everything even to sea life which is an extraordinary mystery, but when using VR (Virtual Reality) everything could be seen real. And again, I think, considering that VR can help them see things clearly, for example, like marine life, which can then be seen clearly with 360 degrees. Also, It is very possible, because with real objects given by VR, of course, they can explain more about things they can when using VR

#54 Yes, very yes, it was very helpful, because back again, that was what technology was used for, what human beings or human ability to portray with limited ordinary vision made everything limited. But with VR (Virtual Reality) the information obtained could be deeper, more complete information, and also more extensive.

#55 Oh yes, of course, as I said earlier with sophisticated technology the information obtained could be more comprehensive, deeper and also broader. Another, In my opinion I can believe that in VR reality I see all the things that are there can be seen clearly and can even be seen clearly from all angles. With this, students are very helpful in exploring material, for example about buildings, historic sites, attractions in the sea or even maybe even in space. So that was amazing, also I was very happy and interested, maybe I would use it later too. At this point, maybe when assisted with advanced technology, the

information that they gain can be more comprehensive because they have been helped by this technology, however, their ability to demonstrate knowledge gained by their passages will differ depending on their respective ways.”



TEACHER 2 TRANSCRIPT

QUESTIONS

1. Have you ever heard about VR (Virtual Reality) before?
2. Based on your view, how do students feel when learning assisted by VR (Virtual Reality)?
3. Do you think that learning by using VR (Virtual Reality) can help students develop their imagination?
4. Do you think with VR (Virtual Reality) as a teaching for students it can help the students to dig up more information?
5. Based on your view, the use of VR (Virtual Reality) as a teaching can make students explore the material provided from various perspectives?

TEACHER 2: BAPAK WIRAWAN RESPONSES

#56 If it was Virtual Reality maybe this was the first time I had ever heard, even using it in classroom. Because what I usually used just standard media, and the general public was like that.

#57 In general, if the student uses the normal one, it is normal. But if there is something new and also more interesting, surely the attraction of the first student is a definitely stronger focus on something new. Also, in my opinion, because of it, VR could give an attraction to the students because it was also delivering something new for students. And then, since VR was certainly new

for students it would be more interesting for them so that the focus of students will definitely be better

#58 Oh, yes, it is clear, because, first if they are already interested in a matter of focus there is also certainly able to develop what is in the students themselves, the desire to learn becomes stronger. For example, when there is something new, it will certainly be a trigger for them to ask questions and make further activities easier because they are already interested in it

#59 Obviously, because of that, all the desires of students were revealed and the curiosity of students was also very big towards something new, something more interesting, something better attractiveness must be there, which later will be many questions that arise from students own.

#60 Yes, automatically the teacher would try to answer all questions raised due to their interest earlier, with questions from students besides the students themselves exploring, the teacher could explore deeper in the future which could later be developed to explore the material deeper in order answer the questions asked by students. So the material presented would be more widely explored so that it will automatically be like that.

Appendix 9 Students Questionnaire Result

STUDENTS QUESTIONNAIRE

QUESTIONNAIRE ITEMS																													
STUDENTS NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
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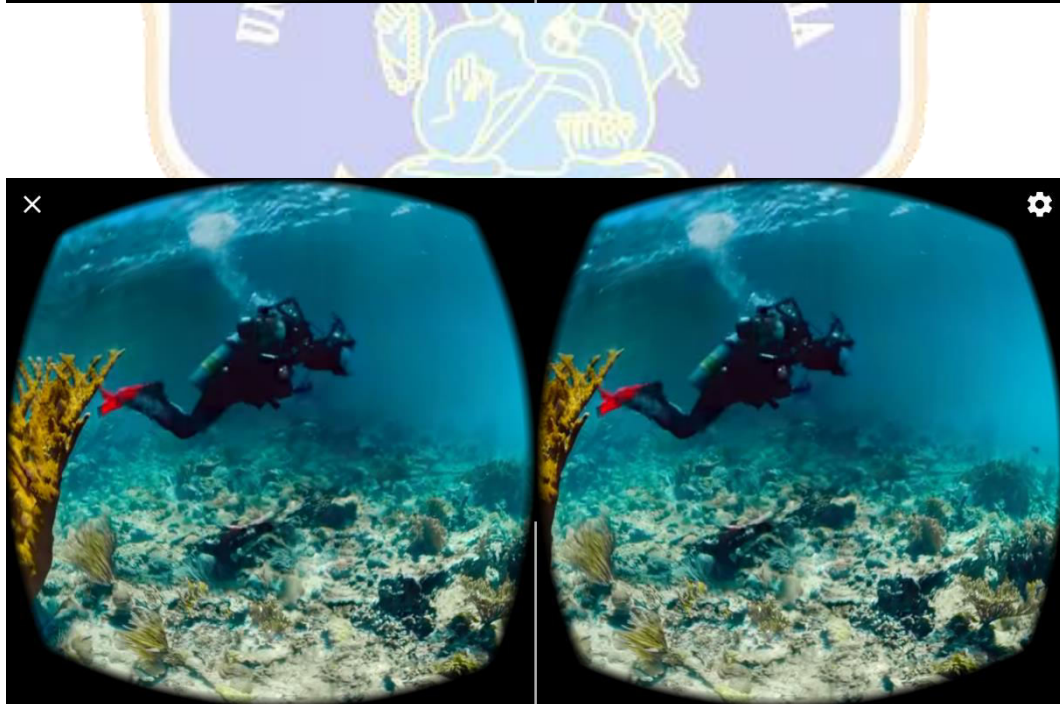
Appendix 10 Teachers Questionnaire Result

TEACHERS QUESTIONNAIRE

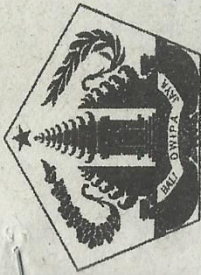
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Appendix 11 Documentation

DOCUMENTATION









PEMERINTAH PROVINSI BALI
DINAS PENDIDIKAN

SMA NEGERI 4 SINGARAJA

Alamat : Jalan Melati Singaraja

Telepon. (0362) 22845, Faxsimile. (0362) 32809, Singaraja – Bali, 81113

<http://sma4singaraja.net> email : sma4singaraja@gmail.com

INDEKS	: 423.4/807/SMA N 4 Sgr.	KODE :	TANGGAL : 6 Agustus 2019 NO. URUT : 419
HAL	: Perwohonan izin Penelitianan Kevin Mation dan wakyu Ari Andriana		
ISI RINGKAS	:		
LAMPIRAN	:		
DARI	: Undiksa. Fak. Bhs dan Smr	KEPADA	: Wahyu Akademi
NOMOR	: 2032/UN 40.71/DT/2019	TANGGAL	: 6-8-2019
PENGOLAH	: Smbacht	PARAF	: 
CATATAN	:		
	: 		



KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI
UNIVERSITAS PENDIDIKAN GANESHA
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Laman: fbs.undiksha.ac.id

Nomor : 2793/UN48.7.1/DT/2019

19 Juli 2019

Perihal : **Permohonan Izin Penelitian**

Yth. Kepala SMA Negeri 4 Singaraja
di Singaraja

Dalam rangka pengumpulan data untuk menyelesaikan Skripsi/Tugas Akhir, dengan hormat kami mohon agar Bapak/Ibu mengizinkan mahasiswa di bawah ini:

Nama : Putu Wahyu Ary Andriana Putra
NIM : 1412021178
Program Studi : Pendidikan Bahasa Inggris
Jenjang : S1
Tahun Akademik : 2018/2019
Judul : Investigation of 10th Grade Students' Perception on the Use of Virtual Reality as Learning Media at SMA N 4 Singaraja.

untuk mencari data yang diperlukan pada institusi yang Bapak/Ibu pimpin. Atas perhatian dan bantuan Bapak/Ibu, kami ucapkan terima kasih.

a.n. Dekan,
Kepala Bagian Tata Usaha,


Nyoman Doddy Widhiastana, S.T., M.M.
NIP. 197305292001121001

Tembusan:

1. Dekan FBS Undiksha Singaraja
2. Kaprodi. Pendidikan Bahasa Inggris
3. Sub Bagian Pendidikan FBS

CURRICULUM VITAE



Putu Wahyu Ary Andriana Putra was born in Bogor on January 11th, 1996. He is a son of Nyoman Armaya, and Nyoman Yasnoari. His nationality is Indonesian and holds the beliefs of Hindu. The researcher lives in Sambangan, Singaraja, Buleleng, Bali. Previously, Wahyu had completed his education in SDN 1 Ciawi IPK and graduate in 2008, then he continued her education in SMPN 1 Ciawi and graduated in 2011, and then he had taken science program in SMAN 1 Megamendung and graduated in 2014. After that he continued his education in Undiksha by taking program of English Language Education in Language and Art Faculty of Ganesha University of Education.

In the early semester of 2020, the researcher had completed a research entitled” Investigation of 10th Grade Students' Perception in The Use Of Virtual Reality As Learning Media At SMA N 4 Singaraja”