

Appendices 01: Interview Instrumen

Instrumen Wawancara: Students' Perceptions toward Digital Media Used by Lecturers in Teaching at UKI Toraja

No.	Question Categories	Interview Questions
1	Perception of the use of digital media by lecturers	How often do your lecturers use digital media in teaching?
2	Perception of the use of digital media by lecturers	Do you think lecturers use digital media in an effective way in the learning process? Why?
3	The effectiveness of digital media in understanding the material	Does the use of digital media by lecturers help you in understanding lecture material? Can you give an example?
4	The effectiveness of digital media in understanding the material	In your opinion, is digital media more effective than traditional teaching methods in understanding the material? Why?
5	Ease of use of digital media	To what extent do you find it easy to access and use digital media used by lecturers? What challenges do you face?
6	Student satisfaction with digital media	How satisfied are you with the use of digital media in the learning process? What makes you satisfied or dissatisfied?
7	Student satisfaction with digital media	If there is one thing that can be improved in the use of digital media by lecturers, what is it? Why?
8	Internal and external factors that affect student perception	To what extent does your digital literacy affect your learning experience with digital media?
9	Internal and external factors that affect student perception	What is the role of lecturers in supporting you to use digital media effectively? Is the interaction in digital learning good enough?

Appendices 02: Transcription of Data Interview

1. Perceptions of lectures use of digital media

In the perception of the use of digital media by lecturers, students gave perceptions from two questions: how often lecturers use digital media in teaching and whether lecturers use digital media in an effective way in learning. The results are described in the following table.

Table 4.1 Students' Perceptions on the use of digital media

R	Q1: How often do your lectures use digital media in teaching?	Q2: Do lectures utilize digital media effectively in the learning process?
1	<i>Beberapa dosen sangat sering menggunakan media digital dalam mengajar apalagi pada saat melakukan presentasi PowerPoint, video atau platform pembelajaran online. Dan yang lain mungkin lebih memilih metode tradisional dan hanya menggunakan media digital untuk tugas tertentu atau presentasi.</i> Some lecturers use digital media very frequently in teaching, especially when giving PowerPoint presentations, videos, or using online learning platforms. Others may prefer traditional methods and only use digital media for specific tasks or presentations.	<i>Menurut saya, pemanfaatan media digital oleh dosen dalam proses pembelajaran itu bisa sangat efektif, tergantung pada beberapa faktor. Yang pertama, dipengaruhi ada faktor interaktivitas, itu media digital memungkinkan interaksi yang lebih baik antara dosen dan mahasiswa. Misalnya, penggunaan platform seperti Zoom atau Google Classroom dapat memfasilitasi diskusi langsung dan kolaborasi, Yang kedua, dipengaruhi oleh aksesibilitas. Dengan media digital, materi pembelajaran dapat diakses kapan saja dan dimana saja. Memberikan fleksibilitas bagi mahasiswa untuk belajar sesuai dengan kecepatan mereka sendiri, Yang ketiga, beragam sumber. Dosen dapat memanfaatkan</i>

	<i>berbagai sumber daya seperti video, artikel, dan simulasi interaktif yang dapat memperkaya pengalaman belajar dan membuat materi lebih menarik. Yang keempat itu, umpan balik cepat. Alat digital memungkinkan dosen, memberikan umpan balik yang lebih cepat melalui quiz online atau forum diskusi, membantu mahasiswa memahami materi yang lebih baik.</i> In my opinion, the utilization of digital media by lecturers in the learning process can be very effective, depending on several factors. First, interactivity plays a crucial role. Digital media allows better interaction between lecturers and students. For example, platforms like Zoom or Google Classroom facilitate live discussions and collaboration. Second, accessibility is another key factor. With digital media, learning materials can be accessed anytime and anywhere, providing students with the flexibility to learn at their own pace. Third, diverse resources enhance the learning experience.
--	--

		Lecturers can utilize various resources such as videos, articles, and interactive simulations, making the material more engaging and enriching. Lastly, fast feedback is an advantage. Digital tools enable lecturers to provide quicker feedback through online quizzes or discussion forums, helping students better understand the material.
2	<i>Iya dosen saya sering menggunakan digital media dalam mengajar contohnya biasanya dosen saya menggunakan powerpoint, dan youtube untuk menonton video edukasi dan tiktok sebagai bahan contoh.</i> Yes, my lecturer often uses digital media in teaching. For example, they frequently use PowerPoint for presentations, YouTube to watch educational videos, and even TikTok as an example or learning material.	<i>Menurut saya, dosen saya sudah menggunakan digital media dengan cara yang efektif dalam proses pembelajaran karena dengan adanya digital media tersebut kami jadi lebih mudah paham dan sangat terbantu dan juga karena adanya digital media ini sudah sangat membuktikan bahwa kita bukan lagi di daerah lama yang mana kita harus selalu dijelaskan melalui papan tulis tetapi sudah bisa memanfaatkan media-media yang ada seperti proyektor dan lain-lain.</i> In my opinion, my lecturer has been using digital media effectively in the learning process. The use of digital media makes it easier for us to understand the

		material and provides significant support in our studies. Moreover, it proves that we are no longer limited to traditional methods, where everything had to be explained on a whiteboard. Instead, we can now take advantage of available media, such as projectors and other digital tools).
3	<i>Kalau dari seberapa sering, setiap kali ada tugas dan lain sebagainya kami selalu menggunakan digital media ini dalam pembelajaran seperti contohnya, instagram, twitter dan lain sebagainya.</i> In terms of how often, whenever there are assignments and so on, we always use digital media in learning, such as Instagram, Twitter and so on.	<i>Iya, menurut dari pandangan saya dan pengalaman saya, dosen selalunya memanfaatkan digital media ini dengan cara yang sangat efektif dalam proses pembelajaran, kenapa karena, contoh kita ada tugas, contohnya tugas project misalnya, tentunya kita disitu menggunakan media seperti TikTok kemudian kita mengirim link ke WA, terus tugasnya itu di periksa di TikTok mengapa, karena ini sangat mempermudah apalagi dalam membuat contohnya final project dan media ini seperti Instagram, TikTok dan lain sebagainya sangat penting di era digital saat ini.</i> Yes, according to my view and my experience, lecturers always use this digital media in a very effective way in the learning

		process, why, for example, we have assignments, for example project assignments, of course we there use media like TikTok then we send a link to WA, then the assignment is checked on TikTok why, because this makes it very easy, especially in making for example final projects and these media like Instagram, TikTok and so on are very important in the current digital era.
4	<i>Menurut saya, hampir setiap dosen itu kalau mengajar selalu menggunakan digital media dalam mengajar. Karena seperti yang kita ketahui, perkembangan teknologi semakin canggih sehingga dosen-dosen kebanyakan menggunakan digital media dalam mengajar.</i> In my opinion, almost every lecturer when teaching always uses digital media in teaching. Because as we know, technological developments are increasingly sophisticated so that most lecturers use digital media in teaching.	<i>Ya menurut saya penggunaan media digital lebih efektif dibandingkan metode pengajaran tradisional. Karena penggunaan digital media kita bisa mendesain pembelajaran agar menarik untuk dipelajari oleh siswa daripada hanya ditulis, di papan tulis atau hanya di ceramah saja.</i> Yes, in my opinion, the use of digital media is more effective than traditional teaching methods. Because of the use of digital media, we can design learning to be interesting for students to learn rather than just writing it down, on a blackboard or just in lectures.

5	<i>Saya rasa dosen menggunakan digital media dalam mengajar sekitar 70-80 % dari total waktu mengajar.</i> I think lecturers use digital media in teaching around 70-80% of their total teaching time.	<i>Menurut saya, dosen memanfaatkan digital media dengan cara yang efektif dalam proses pembelajaran. Dan hal ini karena dosen menggunakan digital media untuk menyajikan materi yang lebih interaktif dan menarik serta memungkinkan kita sebagai mahasiswa untuk mengakses materi tersebut secara online.</i> In my opinion, lecturers use digital media in an effective way in the learning process. And this is because lecturers use digital media to present material that is more interactive and interesting and allows us as students to access this material online.
6	<i>Dosen saya sering menggunakan media digital dalam mengajar karena dengan menggunakan digital media proses pembelajaran lebih mudah dengan menggunakan powerpoint atau PPT.</i> My lecturer often uses digital media in teaching because using digital media makes the learning	<i>Jawaban saya tergantung karena keefektifan pemanfaatan media digital dalam pembelajaran sangat tergantung pada kemampuan dosen dalam merancang dan mengimplementasikannya.</i> My answer depends because the effectiveness of utilizing digital media in learning largely depends on the lecturer's ability to design

	process easier by using PowerPoint or PPT.	and implement it.
--	--	-------------------

From the table above, it can be seen that almost all students say that their lecturers use digital media very often in teaching. Digital media is used in various learning activities, such as when giving assignments, making presentations using PowerPoint, and utilizing platforms such as YouTube, TikTok, Google Classroom, and Zoom. In terms of effectiveness, most students consider that lecturers have used digital media in an effective way. This can be seen from how digital media helps improve student understanding through videos, articles, interactive simulations, and quiz-based teaching methods. The use of digital media also provides more flexible accessibility, allowing students to learn anytime and anywhere.

2. Effectiveness of digital media in understanding course material

In the perception of the effectiveness of digital media in understanding student material, it provides a perception of two questions, whether the use of digital media by lecturers helps in understanding lecture material, give examples, and whether digital media is more effective than traditional teaching methods in understanding lecture material. The results are described in the following table.

Table 4.2 Effectiveness of digital media in understanding course material

R	Q3: Does the use of digital media by lectures help you understand the course material	Q4: Do you think digital media is more effective than traditional teaching methods in understanding course material
1	<i>Baik, penggunaan media digital oleh dosen dapat sangat membantu dalam memahami materi perkuliahan, seperti pada video pembelajaran. Dosen yang menggunakan video untuk menjelaskan konsep sulit seperti teori atau statistik dapat</i>	<i>Menurut saya, digital media memiliki beberapa keunggulan dibandingkan dengan metode pengajaran tradisional dalam memahami materi. Alasannya, karena digital media memungkinkan penggunaan grafik, video, dan animasi yang</i>

	<i>memberikan visualisasi yang memudahkan pemahaman, misalnya video animasi yang menunjukkan konsep yang lebih jelas.</i> Well, the use of digital media by lecturers can greatly assist in understanding lecture materials, such as in educational videos. Lecturers who use videos to explain difficult concepts, such as theories or statistics, can provide visualizations that make comprehension easier. For example, animated videos can illustrate concepts more clearly.	<i>dapat memperjelas konsep yang sulit dipahami. Kemudian dengan digital media, mahasiswa dapat mengakses berbagai sumber informasi seperti artikel, video, dan e-book yang mendukung pemahaman mereka. Ini memberikan perspektif yang lebih luas daripada materi cetak tradisional.</i> In my opinion, digital media has several advantages over traditional teaching methods in understanding course materials. The reason is that digital media allows the use of graphics, videos, and animations that can clarify complex concepts. Additionally, with digital media, students can access various sources of information such as articles, videos, and e-books that support their understanding. This provides a broader perspective compared to traditional printed materials.
2	<i>Menurut saya penggunaan digital media oleh dosen sangat membantu saya dalam memahami materi perkuliahan. Contoh yang bisa saya berikan, ya contohnya ialah mata kuliah digital teknologi disitu, kami sangat belajar banyak</i>	<i>Menurut saya digital media lebih efektif daripada pengajaran tradisional karena melalui digital media ini lebih praktis dan mudah di akses untuk semua mahasiswa dibanding dengan tradisional karena tradisional itu memakan</i>

	<i>dari digital langsung, dan kami langsung diberikan contoh bagaimana digital teknologi ini boleh menjadi alat pembelajaran untuk kelas-kelas seperti SD, SMP atau SMA. Jadi dari situ kami bisa langsung paham bahwa digital teknologi itu bisa digunakan sebagai pembelajaran dan seperti ini contohnya. Jadi kami langsung diberikan pandangan dan bukan materi lagi.</i> In my opinion, the use of digital media by lecturers greatly helps me in understanding the course material. One example is in the digital technology course, where we learn directly from digital tools. We are shown examples of how digital technology can be used as a learning tool in schools, from elementary to high school. Through this, we immediately understand that digital technology can be applied in education, and we get a direct perspective on how it works, rather than just theoretical material.	<i>waktu yang sangat lama contohnya ingin menulis di papan tulis dan membaca buku satu per satu tetapi dengan adanya digital media kita bisa merangkum hal yang penting dan mempelajari materi-materi yang sulit itu dalam waktu yang sekejap karena kita langsung diberikan bayangan oleh digital media itu sendiri.</i> In my opinion, digital media is more effective than traditional teaching because it is more practical and easily accessible for all students compared to traditional methods. Traditional teaching can be very time-consuming, such as writing on the blackboard or reading books one by one. However, with digital media, we can quickly summarize key points and learn difficult materials in no time, as digital media provides us with immediate visualizations and understanding.
3	<i>Ya, penggunaan digital media dari dosen ini sangat membantu, sangat membantu bagi saya dalam</i>	<i>Kalau dari saya sih digital media ini lebih efektif, ya lebih efektif dibandingkan dengan pengajaran</i>

<i>memahami materi yang diberikan oleh dosen. Seperti contohnya ada mata kuliah critical listening contohnya. Kita kan otomatis menggunakan, sering menggunakan YouTube atau menonton film mendengarkan musik. Dari situ kita mendengarkan musik untuk melatih ketajaman listening kita.</i> Yes, the lecturer's use of digital media was very helpful, very helpful for me in understanding the material given by the lecturer. For example, there is a critical listening course, for example. We automatically use it, often use YouTube or watch movies and listen to music. From there we listen to music to train our listening sharpness.	<i>yang apa ya, yang tradisional ini. Mengapa? Karena di dunia era digital saat ini terus digital media digunakan sudah sangat, apa ya, sudah sangat berkembang dan sangat mempermudah, sangat mempermudah terus apa ya. Apalagi buat kita anak-anak muda sekarang, kayak lebih tertariknya ke media-media yang ya, TikTok, Instagram, YouTube, Facebook, kita lebih tertarik ke situ. Nah kalau kita sudah tertarik, otomatis kita lebih enjoy untuk memahami atau ya lebih enjoy dalam memahami materi tersebut.</i> From my point of view, digital media is more effective, yes, more effective than traditional teaching. Why? Because in the current world of the digital era, digital media continues to be used very much, yes, it has developed very much and made it very easy, very much easier, what's more? Especially for us young people now, we seem to be more interested in media, yes, TikTok, Instagram, YouTube, Facebook, we are more interested in that. So, if we are interested, we will automatically enjoy understanding it
--	---

		or, yes, more enjoyment in understanding the material.
4	<i>Oke menurut saya penggunaan digital media sangat membantu saya dalam memahami materi perkuliahan, misalnya dalam pembelajaran menggunakan video dan berbasis kuis-kuis seperti quizizz. Aplikasi quizizz disitu kita bisa bermain sambil belajar.</i> OK, in my opinion the use of digital media really helps me in understanding lecture material, for example in learning using videos and based on quizzes such as quizizz. The quizizz application is where the book can be played while learning.	<i>Ya menurut saya penggunaan media digital lebih efektif dibandingkan metode pengajaran tradisional. Karena penggunaan digital media kita bisa mendesain pembelajaran agar menarik untuk dipelajari oleh siswa daripada hanya ditulis, di papan tulis atau hanya di ceramah saja.</i> Yes, in my opinion, the use of digital media is more effective than traditional teaching methods. Because of the use of digital media, we can design learning to be interesting for students to learn rather than just writing it down, on a blackboard or just in lectures.
5	<i>Ya, saya rasa penggunaan digital media oleh dosen membantu dalam memahami materi perkuliahan. Contohnya seperti ketika dosen menggunakan video tutorial untuk menjelaskan konsep yang sulit, sehingga bagi saya saya dapat lebih mudah memahami materi tersebut dengan baik.</i> Yes, I think the use of digital media	<i>Saya rasa digital media lebih efektif dibandingkan metode pengajaran tradisional dalam memahami materi karena menggunakan digital media dapat menyajikan materi yang lebih interaktif dan menarik serta memungkinkan kita bisa lebih mengakses materi tersebut secara online dan kapan saja.</i> I think digital media is more

	by lecturers helps in understanding lecture material. For example, when lecturers use video tutorials to explain difficult concepts, it is easier for me to understand the material well.	effective than traditional teaching methods in understanding material because using digital media can present material that is more interactive and interesting and allows us to be able to access the material more online and at any time.
6	<i>Jawabannya ya. Contohnya, presentasi multimedia. Dengan hal ini, dosen dapat membuat peresentasi yang menarik dengan menggabungkan misalnya teks, gambar, audio dan video. Hal ini dapat membantu mahasiswa untuk lebih fokus dan termotivasi dalam belajar.</i> The answer is yes. For example, multimedia presentations. With this, lecturers can create engaging presentations by combining text, images, audio, and video. This can help students stay more focused and motivated in learning).	<i>Menurut saya, membandingkan pengalaman belajar menggunakan media digital dengan metode pembelajaran tradisisonal adalah media digital menawarkan fleksibilitas dan akses yang lebih luas dibandingkan pembelajaran tradisional. Namun, perlu kita tahu bahwa pembelajaran tradisional masih penting untuk interaksi sosial dan pengalaman langsung. Idealnya, keduanya dapat dikombinasikan untuk menciptakan pengalaman belajar yang lebih kaya dan inovatif.</i> In my opinion, comparing the learning experience using digital media with traditional learning methods, digital media offers greater flexibility and broader access compared to traditional learning. However, we need to recognize that traditional learning is still essential

		for social interaction and hands on experience. Ideally, both can be combined to create a richer and more innovative learning experience.
--	--	---

From the table above, it can be seen that almost all students stated that the use of digital media by lecturers was very helpful in understanding the lecture material. Digital media such as learning videos, multimedia presentations, and interactive applications such as Quizizz are considered to provide clearer visualizations, thus helping students understand difficult concepts more easily than traditional methods. In terms of effectiveness, most students consider digital media to be more effective than traditional teaching methods. The use of graphics, animations, and access to various information sources such as e-books and online journals allow students to gain a broader and deeper understanding. In addition, the flexibility in accessing materials anytime and anywhere is one of the main advantages over conventional methods.

3. Ease of using digital media

In the perception of the ease of use of digital media, students provide a perception of one question, the extent to which you feel easy in accessing and using digital media used by lecturers. The results are described in the following table.

Table 4.3 Ease of using digital media

R	Q5: To what extent do you find it easy to access and use the digital media provided by the lectures?
1	<i>Akses dan penggunaan digital media oleh dosen mudah bagi mahasiswa karena adanya aksesibilitas diantaranya platform seperti Google Classroom dan Zoom mudah diakses dari perangkat umum kemudian banyak aplikasi yang memiliki desain yang intuitif sehingga mudah dipahami dan selanjutnya ada materi tambahan tersedia online yang</i>

	<i>memungkinkan pembelajaran di luar waktu kuliah namun ada beberapa tantangan yang dihadapi diantaranya yaitu koneksi internet, akses internet yang tidak stabil dapat menghambat pembelajaran kemudian keterampilan teknologi beberapa mahasiswa mungkin kurang familiar dengan penggunaan teknologi, selanjutnya gangguan belajar online bisa terganggu oleh faktor eksternal dan yang terakhir yaitu keterbatasan interaksi, interaksi digital mungkin terasa kurang dibandingkan pembelajaran tetap muka.</i> Access to and use of digital media by lecturers is convenient for students due to its accessibility. Platforms such as Google Classroom and Zoom can be easily accessed from common devices, and many applications have intuitive designs that make them easy to use. Additionally, supplementary materials available online enable learning beyond class hours. However, several challenges arise, including internet connectivity unstable internet access can hinder learning. Moreover, technological skills may be an issue, as some students might not be familiar with using digital tools. Online learning can also be disrupted by external distractions. Lastly, digital interaction may feel less engaging compared to face-to-face learning.
2	<i>Saya merasa mudah dalam mengakses penggunaan digital media yang digunakan dosen tetapi beberapa tantangan yang saya alami adalah contohnya seperti ketika dosen tiba-tiba menyuruh kami membuka aplikasi atau melakukan zoom melalui aplikasi-aplikasi yang belum</i>

	<i>pernah kami dengar sebelumnya atau melakukan quiz dari aplikasi-aplikasi yang belum pernah kami dengar sebelumnya jadi tentangan kami disitu seringkali ialah di penyimpanan ponsel karena kami harus berusaha menghapus data-data kami sendiri untuk bisa mendownload aplikasi-aplikasi yang diberikan oleh dosen tersebut.</i> I found it easy to access the digital media used by the lecturer, but some of the challenges I experienced were, for example, when the lecturer suddenly asked us to open an application or zoom through applications that we had never heard of before or do quizzes from applications that we had never heard of before, so our problem there was often the cellphone storage because we had to try to delete our own data to be able to download the applications given by the lecturer.
3	<i>Dalam menggunakan digital media dalam pembelajaran ini sangat mempermudah bagi saya, contohnya dalam mengerjakan tugas dari platform canva misalnya. Tapi tantangan yang saya hadapi dari digital media ini, kita kekurangan akses internet misalnya kita tidak kota, otomatis kan kita ketinggalan di situ. Kemudian kita agak malas atau ketergantungan, karena ketergantungan itu kita tidak ada kreativitas yang lain kita hanya bisa berharap atau ketergantungan dalam platform-platform itu.</i> Using digital media in learning makes it very easy for me, for example when doing assignments from the Canva platform for example. But the

	challenge I face from digital media is that if we lack internet access, for example, if we are not in a city, we will automatically be left behind there. Then we are a bit lazy or dependent, because of that dependency we have no other creativity, we can only hope or depend on those platforms.
4	<i>Menurut saya cukup mudah kita mengakses dan menggunakan digital media yang digunakan oleh dosen ketika dosen mengajarkan kita bagaimana caranya mengakses media digital yang dia digunakan dan tantangan yang dihadapi itu ketika kita masih kurang memahami mengakses digital tersebut tentunya kita akan kesulitan dalam menggunakan digital media yang digunakan oleh dosen kemudian tantangan yang kedua itu ketika koneksi internetnya kurang stabil pastinya sangat menghambat untuk mengakses digital media yang digunakan oleh dosen tersebut.</i> In my opinion, it is quite easy for us to access and use the digital media used by the lecturer when the lecturer teaches us how to access the digital media that he uses and the challenges we face are when we still don't understand accessing digital, of course we will have difficulty using the digital media used by the lecturer, then the second challenge is when the internet connection is less stable, it definitely really hinders us from accessing the digital media used by the lecturer.
5	<i>Saya merasa cukup mudah dalam mengakses dan menggunakan digital media yang digunakan oleh dosen, namun saya biasa mengalami</i>

	<i>kesulitan dalam mengakses beberapa materi yang memerlukan login atau kata sandi.</i> I find it quite easy to access and use the digital media used by lecturers, but I usually experience difficulty in accessing some materials that require a login or password.
6	<i>Menurut saya, jika dikatakan seberapa mudah, tentunya sangat mudah. Karena banyak referensi lain yang bisa didapatkan, kendala yang dialami yaitu ketika jaringan tidak mendukung.</i> In my opinion, if we talk about how easy it is, then it is definitely very easy. This is because many other references are accessible. The main challenge, however, is when the network is unstable or unreliable.

From the table above, it can be seen that most students find it easy to access and use digital media used by lecturers. Platforms like Google Classroom, Zoom, and Canva are considered to be accessible and have intuitive interfaces, so students can quickly understand how to use them. In addition, additional materials available online also help students in studying outside of lecture hours. However, students also face several challenges in the use of digital media. An unstable internet connection is the main obstacle, especially for students who are in areas with limited internet access. In addition, some students have difficulties when lecturers ask them to use a new application that they are not familiar with before. Another problem that often arises is the limited storage space on the phone, which requires them to delete data in order to download new apps.

4. Student Satisfaction with digital media

In the perception of student satisfaction with digital media, students give a perception of two questions, how satisfied are you with the use of digital media in the learning process and if there is one thing that can be improved in the use of digital media by lecturers, what is it. The results are described in the following table.

Table 4.4 Student satisfaction with digital media

R	Q6: How satisfied are you with the use of digital media in the learning process	Q7: If there were one thing that could be improved in the use of digital media by lectures, what would it be
1	<i>Saya cukup puas dalam menggunakan digital media. Yang membuat puas itu karena memudahkan dalam mengakses materi dan lain sebagainya. Yang membuat tidak puas itu karena adanya masalah koneksi internet yang menghambat pembelajaran.</i> I am quite satisfied with using digital media. The main reason for my satisfaction is that it makes accessing learning materials easier. However, the main drawback is internet connectivity issues that can hinder the learning proces.	<i>Jika ada satu hal yang bisa diperbaiki dalam penggunaan digital media oleh dosen, itu adalah interaksi dan keterhubungan sosial antara dosen dan mahasiswa. Mengapa, karena interaksi yang lebih baik dapat meningkatkan motivasi mahasiswa untuk terlibat dalam pembelajaran. Selain itu, rasa keterhubungan dapat memberikan dukungan emosional yang penting bagi mahasiswa, terutama dalam situasi belajar daring. Berikutnya, diskusi yang aktif dan umpan balik langsung dapat membantu mahasiswa memahami materi dengan lebih baik. Yang terakhir, membangun komunitas belajar yang kuat dapat meningkatkan</i>

	<i>pengalaman belajar secara keseluruhan, dengan meningkatkan interaksi, dosen dapat menciptakan lingkungan belajar yang lebih inklusif dan mendukung sehingga meningkatkan efektivitas pembelajaran.</i> If there is one thing that could be improved in the use of digital media by lecturers, it would be the interaction and social connection between lecturers and students. Why? Because better interaction can increase students' motivation to engage in learning. Additionally, a sense of connection can provide essential emotional support for students, especially in online learning situations. Furthermore, active discussions and direct feedback can help students understand the material better. Lastly, building a strong learning community can enhance the overall learning experience. By improving interaction, lecturers can create a more inclusive and supportive learning environment, thereby increasing the effectiveness of learning.
--	--

2	<i>Kepuasan saya dalam digital media pembelajaran, saya kira adalah setengah-setengah yang membuat saya puas ialah itu sangat praktis dan tidak bertele-tele. Jadi kita bisa langsung lihat dan kita bisa langsung tangkap. Kita bisa langsung diperlihatkan contoh nyatanya dan bukan hanya materi-materi lagi. Tetapi ketidakpuasan saya ialah kurangnya pendekatan antara dosen dan mahasiswa. Karena dosen biasanya sudah berharap bahwa mahasiswa langsung tahu dengan mereka menyajikan digital seperti itu, sehingga mereka tidak melakukan pendekatan lagi apakah kami sudah benar-benar mengerti atau belum.</i> <i>My satisfaction with digital media in learning, I think, is half-and-half. What makes me satisfied is that it is very practical and straightforward. We can directly see and grasp the material. We are shown real-life examples, not just theoretical content. However, my dissatisfaction comes from the lack of interaction between</i>	<i>Satu hal yang menurut saya dosen bisa lakukan untuk memperbaiki penggunaan digital media yaitu saya berharap bahwa mereka menggunakan media ini sebaik mungkin agar ini lebih terlihat seperti visualisasi untuk mahasiswa bukan teks-teks lagi karena kebanyakan dosen itu menggunakan digital media terutama powerpoint itu untuk menampilkan teks-teks panjang yang harus kami baca padahal itu sama saja jika kami membaca buku tetapi bedanya mereka hanya menggunakan powerpoint jadi mungkin akan lebih baik jika powerpoint itu isinya adalah gambar-gambar visual yang bisa langsung kami tangkap oleh otak kami dan tidak memerlukan kami untuk membaca teks yang panjang lebar lagi tetapi bagaimana caranya supaya teks-teks yang lebar itu bisa menjadi gambaran singkat yang membuat kami langsung paham isi materi itu apa jadi kami tidak harus membaca panjang-panjang lagi untuk memahami materi tersebut gitu.</i> <i>One thing that I think lecturers can do to improve the use of digital media is</i>
---	---	--

	lecturers and students. Lecturers often assume that students immediately understand the material just because it is presented digitally, so they no longer check whether we truly understand it or not.	to make the most of it so that it serves as a visualization tool for students rather than just displaying text. Many lecturers use digital media, especially PowerPoint, to present long texts that we have to read. However, this is no different from reading a book the only difference is that they use PowerPoint. It would be better if PowerPoint slides contained more visual images that our brains could immediately grasp, eliminating the need to read lengthy texts. The key is finding a way to transform long texts into concise visuals that effectively convey the essence of the material, so we don't have to read excessively just to understand the content.
3	<i>Kalau ditanya seberapa puas, saya sangat puas dengan penggunaan digital media dalam proses pembelajaran ini karena di digital media ini sangat mudah dan fleksibel, dapat digunakan kapan dan dimana saja, kemudian sangat membantu dalam proses pembelajaran contohnya kita sulit dalam memahami materi, terus ada video atau animasi-animasi yang</i>	<i>Menurut saya yang perlu diperbaiki oleh seorang dosen dalam penggunaan digital media saat ini, mungkin bisa kita pertanyakan tujuan. Apakah benar-benar sudah selaras dengan tujuan pembelajaran dengan media atau platform-platform yang digunakan oleh seorang dosen? Contohnya, seorang dosen menggunakan media padahal itu tidak sesuai dengan tujuan pembelajaran kita. Itu kan percuma menurut saya.</i>

	<i>kita dapat cepat dicerna oleh otak kita, yang dapat lebih mudah kita pahami.</i> If asked how satisfied I am, I am very satisfied with the use of digital media in the learning process because digital media is very easy and flexible, can be used anytime and anywhere, then it is very helpful in the learning process, for example when we have difficulty understanding the material, there are also videos or animations that our brain can quickly digest, which we can understand more easily.	In my opinion, what needs to be improved by a lecturer in the use of digital media today, perhaps we can question the purpose. Is it really aligned with the learning objectives with the media or platforms used by a lecturer? For example, a lecturer uses media even though it is not in accordance with our learning objectives. It's useless in my opinion.
4	<i>Menurut saya yang membuat saya puas dalam proses pembelajaran menggunakan digital media itu karena materinya itu lebih mudah dipahami dan menarik. Yang membuat saya tidak puas itu ketika memiliki kendala seperti koneksi internet dan misalnya ada kerusakan LCD di kampus otomatis dapat menghambat proses pembelajaran itu.</i> In my opinion, what makes me	<i>Menurut ku toh, untuk lebih menarik gitu, kan kebanyakan dosen itu walaupun sudah banyak yang update sih tentang proses pembelajaran tapi kan seperti yang kita tahu, ada dosen yang hanya mengandalkan powerpoint saja Nah, menurut saya agar lebih menarik ini pembelajaran semuanya itu harus bisa menguasai platform-platform online agar pembelajaran dikira lebih menarik dan lebih hidup.</i> In my opinion, to make it more interesting, even though most lecturers

	satisfied in the learning process using digital media is because the material is easier to understand and interesting. What makes me dissatisfied is when there are problems such as internet connection and for example if there is a broken LCD on campus it can automatically hinder the learning process.	have updated a lot about the learning process, as we know, there are lecturers who only rely on PowerPoint. So, in my opinion, to make learning more interesting, everyone must be able to master online platforms so that learning is considered more interesting and more lively.
5	<i>Saya cukup puas dengan penggunaan digital media dalam proses pembelajaran karena ini sangat membantu saya dalam mengakses materi secara online dan kapan saja saya ingin mencari tahu sesuatu yang tidak saya ketahui tentang pembelajaran.</i> I am quite satisfied with the use of digital media in the learning process because it really helps me in accessing material online and whenever I want to find out something I don't know about learning.	<i>Saya rasa satu hal yang bisa diperbaiki adalah kemampuan untuk berinteraksi dengan dosen dan teman-teman secara lebih langsung dan real-time. Hal ini dapat membantu meningkatkan kualitas pembelajaran dan memungkinkan kita untuk memperoleh umpan balik yang lebih cepat dan akurat.</i> I think one thing that could be improved is the ability to interact with lecturers and friends more directly and in real-time. This can help improve the quality of learning and allow us to obtain faster and more accurate feedback.
6	<i>Jawaban saya, tentu sangat puas karena ketika dosen menggunakan media, kita akan</i>	<i>Jawaban saya tentu ada, misalnya kurangnya interaksi langsung dari mahasiswa. Alasannya, kurangnya</i>

<i>lebih mudah memahami materi yang dibahas. Selain itu, kita juga mendapat contoh-contoh yang lebih mudah dipahami.</i> My answer is that I am definitely very satisfied because when the lecturer uses media, it becomes easier for us to understand the material being discussed. Additionally, we also receive examples that are easier to comprehend.	<i>keterampilan pedagogik, dosen perlu tidak hanya menguasai teknologi, tetapi juga memahami bagaimana mengintegrasikannya ke dalam strategi pembelajaran yang lebih efektif. Ini melibatkan pemahaman tentang bagaimana teknologi dapat memfasilitasi, kolaborasi, mempersonalisasi, dan keterlibatan siswa dalam proses pembelajaran.</i> My answer is that there are certainly challenges, such as the lack of direct interaction from students. The reason is the lack of pedagogical skills lecturers need not only to master technology but also to understand how to integrate it into more effective learning strategies. This involves understanding how technology can facilitate collaboration, personalize learning, and engage students in the learning process.
--	---

From the table above, it can be seen that most students are quite or very satisfied with the use of digital media in learning. They feel that digital media makes it easier to access materials anytime and anywhere, provides real examples in learning, and makes the learning process more interesting and interactive. However, some students stated that there are still challenges that cause dissatisfaction, such as the lack of direct interaction between lecturers and students, unstable internet connections, and the use of digital media that is

not optimal, especially in the aspect of material visualization. Some students hope that lecturers will use more effective visualizations, not just displaying long text in PowerPoint. In addition, there are also students who feel that the use of digital media needs to be more in line with learning objectives, so that it is not just about using technology but really increasing the effectiveness of learning. Overall, students feel that digital media is very helpful in learning, but they hope for an increase in interaction, more visual presentation of materials, and the suitability of media use with learning objectives.

5. Internal and external factors influencing students' perceptions

In the perception of internal and external factors that affect student perception, students provide a perception of two questions, the extent to which your digital literacy affects the learning experience with digital media and how the role of lecturers in supporting you to use digital media effectively. The results are described in the following table.

Table 4.5 Internal and external factors influencing students' perceptions

R	Q8: To what extent does your digital literacy affect your learning experience with digital media	Q9: How do lectures support you in using digital media effectively
1	<i>Literasi digital sangat mempengaruhi pengalaman belajar dengan digital media karena literasi digital yang baik memungkinkan mahasiswa untuk dengan mudah menavigasi berbagai platform dan alat pembelajaran serta meningkatkan efisiensi belajar kemudian mahasiswa yang terlibat secara digital dapat mencari dan</i>	<i>Peran dosen dalam mendukung penggunaan digital media secara efektif sangat penting. Di antaranya dosen memberikan materi dan sumber yang relevan, serta panduan tentang cara mengakses dan menggunakan media digital tersebut. Kemudian dosen juga telah memberikan pelatihan tentang penggunaan platform digital dan teknologi yang diperlukan, sehingga</i>

	<i>mengevaluasi sumber informasi dengan lebih baik selain itu dapat membantu juga dalam mendapatkan materi yang relevan dan berkualitas.</i> Digital literacy significantly influences the learning experience with digital media. Strong digital literacy skills enable students to easily navigate various platforms and learning tools, improving learning efficiency. Additionally, digitally engaged students can better search for and evaluate information sources. Moreover, digital literacy helps students access relevant and high-quality learning materials.	<i>kami sebagai mahasiswa merasa lebih percaya diri. Meskipun ada upaya untuk meningkatkan interaksi dalam pembelajaran digital, namun masih ada ruang untuk perbaikan agar mahasiswa merasa lebih terhubung dan terlibat.</i> The role of lecturers in supporting the effective use of digital media is crucial. They provide relevant materials and resources, as well as guidance on how to access and utilize digital media. Additionally, lecturers offer training on the use of digital platforms and necessary technologies, helping students feel more confident. Although efforts have been made to enhance interaction in digital learning, there is still room for improvement to ensure that students feel more connected and engaged.
2	<i>Saya rasa literasi digital saya yang tinggi ini mempermudah pengalaman belajar saya dalam menggunakan digital karena dengan adanya penggunaan digital dalam pembelajaran itu membuat saya langsung konek dan paham jadi saya tidak bertanya-tanya lagi tentang dimana saya</i>	<i>Peran dosen dalam mendukung saya menggunakan digital media itu sudah cukup baik</i> karena jika mereka tahu bahwa kami pertama kali berinteraksi dengan sesuatu mereka akan mengajarkan kami step by step agar kami terbiasa dengan media digital tersebut contohnya penggunaan AI dan lain-lain interaksi

	<i>harus mencari ini dan ini karena saya sudah memiliki semua hal yang diperlukan dalam handphone saya.</i> I think my high digital literacy makes my learning experience easier in using digital because the use of digital in learning makes me immediately connect and understand so I don't wonder anymore about where I should look for this and this because I already have all the things I need on my handphone.	<i>pembelajaran digital kami sudah cukup baik.</i> The role of the lecturers in supporting me in using digital media is quite good because if they know that it is our first time interacting with something they will teach us step by step so that we get used to the digital media, for example the use of AI and other digital learning interactions, we are already quite good.
3	<i>Menurut saya sejauh ini digital media sangat berpengaruh positif dalam kehidupan saya untuk belajar karena contohnya dalam mengelola atau mencerna informasi kita lebih mendapatkan informasi yang lebih akurat.</i> In my opinion, so far digital media has had a very positive influence on my learning life because for example, in managing or digesting information we get more accurate information.	<i>Menurut saya, peran dosen dalam mendukung kami, khususnya saya menggunakan digital media secara efektif ini, dosen memberikan kita platform-platform atau media untuk kita pelajari ini, dosen bermaksud untuk membuat kita lebih kreatif, kemudian dapat membantu kita untuk lebih mengembangkan literasi digital, seperti video, simulasi atau semacam game, itu sudah termasuk dosen mendukung kita dalam pembelajaran karena membuat kita lebih mandiri atau kreatif.</i> In my opinion, the role of the lecturer

		is in supporting us, especially when I use digital media effectively, the lecturer gives us platforms or media for us to learn, the lecturer aims to make us more creative, then can help us to further develop digital literacy, such as videos, simulations or some kind of game, this includes the lecturer supporting us in learning because it makes us more independent or creative.
4	<i>Sejauh ini cukup baik karena dengan platform digital, kita bisa lebih mudah mengevaluasi informasi yang relevan dengan mudah. Serta kita bisa berkomunikasi dan berkolaborasi secara efektif dalam lingkungan digital. Dan dengan adanya literasi digital ini, kita lebih siap untuk menghadapi tantangan dan peluang di era digital.</i> So far, it's pretty good because with digital platforms, we can evaluate relevant information more easily. And we can communicate and collaborate effectively in a digital environment. And with this digital literacy, we are better prepared to	<i>Menurut saya, dosen dalam mendukung menggunakan digital media secara efektif, dosen menjelaskan cara menggunakan platform digital dan sumber daya yang tersedia, serta memberikan bimbingan dan dukungan kepada mahasiswa yang mengalami kesulitan dan interaksinya cukup baik.</i> In my opinion, the lecturer supports using digital media effectively, the lecturer explains how to use digital platforms and available resources, as well as providing guidance and support to students who experience difficulties and the interaction is quite good.

	face the challenges and opportunities in the digital era.	
5	<i>Saya rasa literasi digital saya mempengaruhi pengalaman belajar dengan digital media secara signifikan. Hal ini karena saya telah memiliki kemampuan dasar dalam menggunakan teknologi digital. Sehingga saya dapat lebih mudah mengakses dan menggunakan digital media dalam proses pembelajaran.</i> I think my digital literacy influences learning experiences with digital media significantly. This is because I already have basic skills in using digital technology. So I can more easily access and use digital media in the learning process.	<i>Saya rasa peran dosen sangat penting dalam mendukung saya untuk menggunakan digital media secara efektif. Dosen juga telah memberikan dukungan yang cukup baik dalam membantu mengakses dan menggunakan digital media serta memberikan umpan balik yang konstruktif untuk membantu saya meningkatkan kemampuan saya. Namun saya rasa interaksi dalam pembelajaran digital masih dapat ditingkatkan, terutama dalam hal kemampuan untuk berinteraksi secara langsung.</i> I think the role of lecturers is very important in supporting me to use digital media effectively. Lecturers have also provided quite good support in helping me access and use digital media as well as providing constructive feedback to help me improve my abilities. However, I think interaction in digital learning can still be improved, especially in terms of the ability to interact directly.
6	Jawaban saya, dengan literasi	Menurut saya, peran dosen dalam

<i>digital yang tinggi, saya dapat belajar secara mandiri, efektif, dan efisien melalui media digital saya dapat memanfaatkan berbagai sumber daya dan alat digital untuk memperluas pengetahuan maupun keterampilan saya.</i> My answer is that with a high level of digital literacy, I can learn independently, effectively, and efficiently. Through digital media, I can utilize various resources and digital tools to expand both my knowledge and skills.	<i>mendukung saya menggunakan digital media secara efektif yaitu ketika melakukan presentasi di kelas. Adapun interaksi dalam pembelajaran digital yaitu cukup baik karena ketika melakukan presentasi menggunakan digital media secara efektif, saya mendapat umpan balik dan hal itu membuat saya memahami apakah respon yang saya berikan sudah sesuai dengan harapan. Umpan balik ini sangat penting untuk memperbaiki kinerja saya. Namun, selalu ada ruang untuk perbaikan, saya berharap interaksi saya dengan dosen dan penggunaan media digital dapat terus ditingkatkan agar saya dapat belajar dan berkembang lebih efektif.</i> In my opinion, the lecturer's role in supporting me to use digital media effectively is evident during class presentations. The interaction in digital learning has been quite good because, when presenting using digital media effectively, I receive feedback that helps me understand whether my responses meet expectations. This feedback is essential for improving my
---	---

		performance. However, there is always room for improvement. I hope that my interaction with lecturers and the use of digital media can continue to be enhanced so that I can learn and develop more effectively.
--	--	--

From the table above, it can be seen that students' digital literacy has a significant influence on their learning experience with digital media. Students who have high digital literacy find it easier to navigate various learning platforms, access learning resources, and understand the material independently. In addition, they are more confident in utilizing digital tools to support the learning process. In terms of lecturer support, most students consider that lecturers have provided quite good guidance in the use of digital media. Lecturers support students by providing relevant materials, providing guidance on using digital platforms, and providing training to improve students' digital skills. Some students also mentioned that lecturers help them understand digital media by providing constructive feedback and explaining how to access digital resources. However, there is still room for improvement, especially in terms of increasing interaction between lecturers and students in digital learning. Some students feel that lecturer support can be more optimal if it is accompanied by more active interaction, both in the form of direct discussions and more in-depth feedback related to the use of digital media in learning. Overall, good digital literacy is very helpful for students in using digital media effectively, and lecturer support plays an important role in ensuring students can make the most of digital media. However, improvements are needed in the interaction aspect so that the use of digital media can be more effective and support the student learning experience more optimally.

Appendices 04

Data Display: Students' Perceptions Toward Digital Media Used by the Lecturers

No.	Perceptions Categories (Extract)	Statement	Source	Interpretation
1.	Frequency of Using Digital Media	"Very frequently used", "We always use it for assignments", "Almost all lecturers use digital media", "Used for PowerPoint, videos, TikTok, Instagram"	R1, R2, R3, R4	Students' perception in terms of the frequency of digital media use indicates that lecturers very frequently utilize digital media in teaching, both for delivering materials and assigning tasks.
2.	Utilizing Digital Media in the Teaching Process	"Lecturers use Zoom, YouTube, Google Classroom", "Sometimes use animations or videos for explanation"	R1, R2	Students' perception in terms of digital media utilization shows that lecturers have effectively used various digital platforms to support material delivery and assignments.
3.	Helping Students to Understand	"Videos help understand difficult concepts",	R1, R2, R3	Students' perception in terms of understanding shows that digital media greatly helps them

		"Quizizz makes learning feel like playing", "Animations help understand theories"		comprehend course materials through interactive and visual features.
4.	Comparison Between Traditional Method and Digital Media	"Digital is more flexible", "Traditional is important for interaction", "A combination of both methods is most effective"	R1, R2	Students prefer digital media for its flexibility and accessibility but still value traditional methods for fostering interaction.
5.	Ease of Accessing and Using Digital Media	"Easy to access but internet connection is an obstacle", "Phone storage gets full when installing apps", "Lecturers guide step-by-step"	R1, R2, R3	Students perceive digital media as generally easy to access, although there are still technical obstacles such as internet connectivity and device limitations.
6.	Student Satisfaction and Dissatisfaction with Digital Media	"Quite satisfied because it's easily accessible", "Less satisfied due to lack of interaction",	R1, R2, R3	Students are fairly satisfied with the use of digital media due to easy access, but they expect improvements in interaction and more

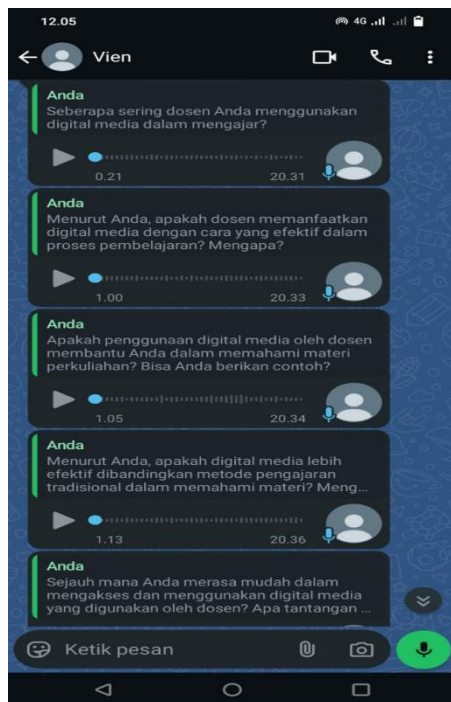
		"Want more visuals instead of long texts"		engaging visual presentations.
7.	One Thing to Be Improved	"Interaction needs to be increased", "Media should align with learning objectives", "PowerPoint slides shouldn't be full of text"	R1, R2, R3	Students hope that lecturers will enhance interaction, align media use with learning goals, and reduce long text usage in slides.
8.	Students' Digital Literacy Mastery	"High digital literacy helps with independent learning", "No need to ask around, already know how to use it", "Confident in using online platforms"	R1, R2, R3	Students' perceptions show that good digital literacy strongly supports independent and efficient learning processes.
9.	Lecturers' Support	"Lecturers guide step-by-step", "There is feedback", "Need more interaction in the future"	R1, R2, R3	Students feel that the guidance and feedback given by lecturers are helpful, but they still expect more interaction to optimize the learning

				process.
--	--	--	--	----------

Appendices 05: Documentation

Responden 1

Responden 2



Responden 3

Responden 4

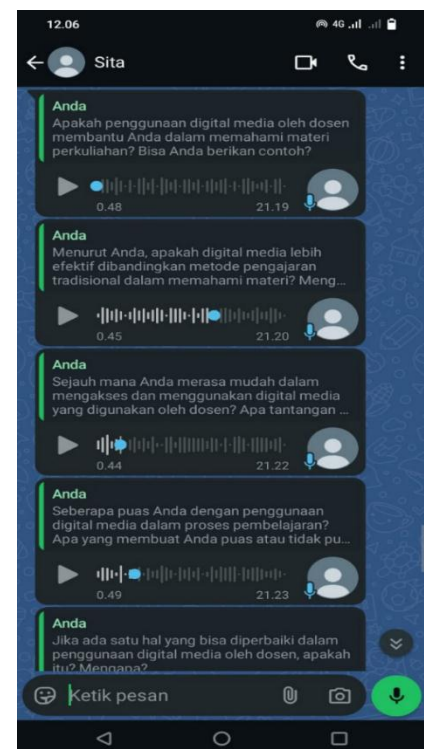




Responden 5



Responden 6



CURRICULUM VITAE



Sukma Cahyani, was born in Buntu on September 7, 2001. The second child of 4 siblings from the couple Esi' and Nurhayati. The author first studied at Mis Kaduaja in 2007 and graduated in 2013. In the same year the author continued her education at Mts Kaduaja and graduated in 2016. Then continued her education at SMKN 2 Tana Toraja majoring in Accounting and graduated in 2020. And in 2021 the author continued her Strata-1 (S1) education in the English Language Education Study Program at the Christian University of Indonesia Toraja. Thanks to the statement and help of God Almighty and the prayers of both parents, family and closest people who never stop, so the author can complete her studies in 2025 with the title of thesis research "Students' Perceptions Toward Digital Media used by The Lectures in Teaching at UKI Toraja".