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From Needs Analysis to Listening Instruction: A Mixed-Methods Study on EFL Students' Comprehension and Engagement

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ABSTRACT

Listening remains one of the most challenging skills in English as a Foreign Language (EFL) learning, particularly at the tertiary level, where learners are required to construct meaning beyond surface-level linguistic recognition. This study aims to explore the effectiveness of needs-based listening materials in enhancing students' comprehension and engagement. A mixed-methods sequential design was employed, integrating quantitative and qualitative data. Quantitative data were collected through pre-test and post-test measures and analyzed using a paired sample t-test, while qualitative data were obtained through classroom observations and interviews to examine students' engagement and learning experiences. The findings reveal a statistically significant improvement in students' listening performance, with mean scores increasing from 58.40 to 72.85 ($p < 0.05$) and a large effect size. This improvement reflects substantial development in macro listening skills, particularly in identifying main ideas and constructing overall meaning. These quantitative results are further supported by qualitative evidence indicating high levels of student engagement, as demonstrated by active participation (82%), sustained attention (85%), and increased learning motivation (81%). The findings suggest that needs-based materials provide more relevant and accessible input, thereby facilitating both cognitive and affective engagement in the listening process. This study contributes to the literature by integrating needs analysis with a specific focus on macro listening skills within a mixed-methods framework. It not only demonstrates the effectiveness of instructional materials quantitatively but also elucidates the underlying mechanisms of learning improvement qualitatively. The study offers important pedagogical implications for designing contextually relevant and learner-centered listening materials in EFL higher education contexts.

Keywords: Needs-Based Materials; Listening Comprehension; Macro Listening Skills; Student Engagement; Mixed-Methods

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INTRODUCTION

In English as a Foreign Language (EFL) pedagogy, listening skills occupy a central role, serving as the primary source of linguistic input for learners. (Gilakjani & Ahmadi, 2011; Kasimo dkk., 2024; Ouhejjou & Jmila, 2025). Unlike productive skills, listening necessitates the ability to process information rapidly and simultaneously; consequently, it is frequently regarded as the most complex skill to master. (Kochkorova, 2025; Wiwoho, 2022). This complexity resides not only in linguistic aspects (Kochkorova, 2025; Salah El-Din Attia Al-Feky, 2021), but also on the learners' ability to construct meaning from the auditory messages received (Kasimo dkk., 2024b; Rukthong, 2021).

In line with this complexity, listening skills can be conceptually understood through two primary dimensions: micro-skills and macro-skills. Micro-skills pertain to the ability to recognize phonological elements—such as sounds, stress, and intonation—whereas macro-skills focus on comprehensive meaning construction, including identifying main ideas, understanding detailed information, and drawing inferences (Brown, 2001). In the context of

higher education, the challenges encountered by students tend to be more prevalent within the domain of macro-skills (Rezaei & Hashim, 2013; Shang, 2005), specifically, the difficulty in constructing meaning from spoken texts (Nadri dkk., 2019; Zhao & Lee, 2022), rather than merely recognizing linguistic sounds (Saputri dkk., 2025).

This condition is reflected in the learning experiences of students across several Listening classes at three higher education institutions in Metro City in 2025, where they frequently encountered obstacles in comprehending English conversations or monologues. Limited vocabulary, the speaker's rate of speech, and a lack of supportive contextual cues cause students to capture only fragmented information, rendering them unable to integrate it into a cohesive understanding. Consequently, the learning process becomes less meaningful, and student engagement in listening activities tends to be low.

To understand this phenomenon more profoundly, the perspective of second language acquisition (SLA) provides a relevant theoretical foundation. Stephen Krashen, through his Input Hypothesis, asserts that language learning occurs optimally when learners receive comprehensible input—that is, input that is understandable yet slightly beyond their current level of competence (Bernhardt & Krashen, 1989; Krahnke & Krashen, 1983; Zeng, 2025; Zhang dkk., 2025). Accordingly, the comprehension of meaning serves as a primary prerequisite for the language acquisition process; thus, the quality and relevance of listening materials play a pivotal role in determining learning success..

Furthermore, Michael Rost views listening as an active process involving the construction of meaning through the interaction between linguistic input and the learner's background knowledge (Rost, 2024; Rost & Candlin, 2014). Within this perspective, listening is not merely a passive activity of receiving information; rather, it is an interpretative process that demands profound cognitive engagement (Rost, 2014; Schmidt-Rinehart, 1994). Therefore, effective listening instruction must be designed to foster students' active engagement in comprehending and deriving meaning from the messages conveyed (Rost, 1995; Rost & Ross, 1991).

In relation to this process, the top-down processing mechanism also plays a crucial role, whereby learners utilize their prior knowledge to interpret the auditory information received. (Furuya, 2021; Rubin, 1994; Schmidt-Rinehart, 1994). However, when the materials utilized are irrelevant to the learners' experiences or needs, this process becomes suboptimal. This suggests that the effectiveness of listening instruction is determined not only by linguistic aspects but also by the alignment of materials with the learners' context and needs (Fakhruddin dkk., 2024; Goh, 2000; Zhupanyk, 2022).

Based on these considerations, a needs analysis approach serves as a vital foundation for instructional material development. Hutchinson and Waters emphasize that effective instruction must take into account learners' necessities, lacks, and wants (Hutchinson, 1984; Hutchinson & Waters, 1987). Consequently, listening materials developed based on a needs analysis have the potential to be more relevant, thereby supporting the comprehension process and enhancing student engagement (Mahbub, 2022; Warti, 2020).

In line with this, numerous studies have affirmed the importance of needs analysis and strategy development in listening instruction within the EFL context. Research indicates that a majority of students encounter difficulties in comprehending spoken texts, particularly concerning vocabulary acquisition. (Gilakjani & Ahmadi, 2011; Rubin, 1994), Speech rate (Blinova, 2021), and accentedness (Adel Mohammad, 2025; Hardiyanto dkk., 2021), which constitute the dominant factors in low listening comprehension. Quantitative data indicate that over 80% of students acknowledge experiencing difficulties with vocabulary and accentedness when comprehending spoken texts. (Fitria, 2021; Hamada & Yanagawa, 2024; Sawal dkk., 2025). Furthermore, experimental research demonstrates that specific pedagogical interventions can significantly enhance listening proficiency. For instance, the utilization of audio-visual media resulted in an improved distribution of student performance, shifting from a predominant 'poor' category (71.88%) to a more balanced spread across the 'average' and 'good' categories following the treatment (Atiyah & Izzah, 2019). Other studies have also reported that the implementation of learning strategies can improve the percentage of learning mastery from

57.4% to 77.1%, while simultaneously increasing student engagement in the listening process from 40% to 85.7% (Salah El-Din Attia Al-Feky, 2021). Furthermore, strategy-based approaches such as scaffolding. (Ruisah, 2025) and note-taking (Hayati & Jalilifar, 2009) have been proven to yield significant improvements in listening comprehension scores, as evidenced by the comparison between pre-test and post-test results in experimental groups. These findings demonstrate that appropriate interventions—whether through strategies, media, or instructional design—contribute substantially to enhancing the listening proficiency of EFL students.

Nevertheless, most of these studies remain fragmented, with a limited focus on either the needs analysis phase or material development without being followed by a comprehensive evaluation of their pedagogical impact. Furthermore, research that simultaneously examines the influence of needs-based materials on both student comprehension and engagement through a mixed-methods approach remains relatively scarce. Given the complexity of listening as both a cognitive and affective process, a research approach capable of integrating the measurement of learning outcomes with an exploration of students' learning experiences is essentially required.

Therefore, this study proposes a more integrated approach by linking needs analysis, material development, and impact evaluation within a single mixed-methods research framework. Specifically, this research aims to analyze the influence of needs-based listening materials on student comprehension, while simultaneously examining their engagement and learning experiences throughout the instructional process. To achieve these objectives, a mixed-methods design was employed, combining quantitative analysis of students' comprehension gains with a qualitative exploration of their engagement and learning experiences. This approach was selected to provide a more holistic and in-depth perspective, the details of which are systematically elaborated in the Research Method section.

METHOD

This study employs a mixed-methods approach with an explanatory sequential design. In this design, quantitative data are collected and analyzed in the initial phase, followed by the collection and analysis of qualitative data intended to further elaborate and explain the quantitative findings. This approach aligns with the perspective of John W. Creswell, who emphasizes that integrating both types of data enables researchers to obtain a more comprehensive understanding of the phenomenon under investigation (Creswell & Clark, 2007; Toyon, 2021). The selection of this design is based on the characteristics of listening skills, which involve not only cognitive aspects in the form of meaning comprehension but also affective aspects regarding students' engagement in the learning process. (Ruisah, 2025b). Accordingly, quantitative data are utilized to objectively measure the improvement in students' listening proficiency, whereas qualitative data are employed to explore their learning experiences and the dynamics of their engagement throughout the instructional process. The integration of these two data types is conducted during the interpretation phase to generate a more holistic and in-depth understanding.

This study was conducted at three higher education institutions in Metro City that offer English Education programs—namely UMALA, UINJUSILA, and UM—all of which possess relatively similar curricular characteristics. The research sites were selected purposively, considering the suitability of the instructional context and the availability of listening courses within the curriculum. The participants consisted of approximately 60 students ranging from early to mid-semesters who were currently enrolled in listening courses. The participant selection employed a purposive sampling technique as articulated by Etikan et al., whereby samples are selected based on specific criteria relevant to the research objectives (Etikan, 2016). The adoption of this technique aims to ensure that the participants possess adequate listening learning experiences, thereby enabling them to provide representative data concerning their comprehension and engagement throughout the instructional process.

This study utilizes several instruments designed to comprehensively collect both quantitative and qualitative data. The primary instrument for quantitative data collection is a listening proficiency test, employed to measure students' comprehension of spoken texts,

specifically focusing on macro-listening skills such as the ability to identify main ideas, understand detailed information, and draw inferences. (Bourdeaud'Hui dkk., 2021). The construction of this test refers to the listening assessment frameworks proposed by H. Douglas Brown and Jack C. Richards, thereby ensuring that the instrument is built upon a robust theoretical foundation (Kim, 2016). The test is administered in the form of a pre-test and post-test to measure the improvement in students' proficiency following the implementation of needs-based instructional materials. The content validity of the instrument is ensured through its alignment with listening learning indicators, while its reliability is tested using the Cronbach's Alpha coefficient, with a minimum threshold of 0.7.

Furthermore, this study also utilizes a questionnaire to measure the level of student engagement in listening instruction. This instrument is adapted from the engagement model developed by Jennifer A. Fredricks, which encompasses behavioral, emotional, and cognitive engagement dimensions (Fredricks dkk., 2004). The questionnaire is structured using a five-point Likert scale and is administered following the instructional process to capture the levels of student participation, attention, and interest in the materials used. The construct validity of this instrument is grounded in established engagement theories, while its reliability is expected to achieve a Cronbach's Alpha value above 0.8, serving as an indicator of high internal consistency.

To complement the quantitative data, this study also utilizes qualitative instruments in the form of semi-structured interviews and classroom observations. The interviews are conducted to explore students' learning experiences in depth, including their perceptions of the instructional materials, the challenges encountered, and their level of engagement during learning. This interview approach adheres to the principles proposed by Steinar Kvale, which emphasize flexibility in data exploration. Meanwhile, classroom observations are performed to directly observe students' interactions and responses to the lessons using a systematic observation sheet. This approach refers to the qualitative analysis model developed by Matthew B. Miles, thereby enabling the researcher to obtain more contextual and authentic data (Miles, 2015).

The data collection procedure in this study is conducted through several structured stages. The initial phase begins with a preliminary study, utilizing data from previous research to identify students' needs in listening instruction. The subsequent stage involves the implementation of needs-based instructional materials over a series of systematically designed learning sessions. Following this, quantitative data are collected by administering a pre-test prior to the intervention and a post-test afterward to measure improvements in students' listening proficiency, alongside the distribution of questionnaires to assess their engagement levels. Furthermore, qualitative data are gathered through interviews and classroom observations to obtain a deeper understanding of the students' learning experiences. All stages are designed to ensure that the resulting data are comprehensive and mutually reinforcing. Data analysis in this study is conducted by integrating both quantitative and qualitative approaches.

Tabel 1. Data Analysis Techniques

Quantitative	Quantitative data are analyzed using descriptive statistics to illustrate the mean scores, standard deviations, and the percentage of students' achievement in the listening tests, as well as their engagement levels. Furthermore, to examine the differences in proficiency before and after the treatment, a paired sample t-test is employed with a significance level of 0,05. Prior to this analysis, the data undergo a normality test using the Shapiro-Wilk method to ensure that parametric assumptions are met. All quantitative analyses are performed using statistical software, such as SPSS, to enhance the accuracy and reliability of the analytical results.

Qualitative	Meanwhile, qualitative data are analyzed using the interactive model, which encompasses data reduction, data display, and conclusion drawing, as proposed by Miles and Huberman. In the final stage, the results of both quantitative and qualitative analyses are integrated to provide a more comprehensive interpretation regarding the impact of needs-based instructional materials on students' comprehension and engagement in listening instruction.
Mixed Methods	The integration of data validity utilizes cross-validation and convergent validity: • Cross-validation between quantitative and qualitative results: This involves using data from both methods to complement and verify the findings. In this study, interview results are employed as supplementary interpretations for the quantitative data. • Convergent validity: This measures the extent to which results from both methods (quantitative and qualitative) support one another and yield consistent conclusions.

HASIL DAN PEMBAHASAN

General Overview of Research Data

As an initial step, this study presents a general overview of the respondents' data and the preliminary trends in students' listening proficiency based on the results of the quantitative analysis.

Table 2. Distribution of Students' Initial Listening Proficiency

Competency Level	Frequency	Percentage
High	8	12%
Moderate	21	35%
Low	31	53%
Total	**60**	**100%**

Based on Table 2, the majority of students fall into the low proficiency category with a percentage of 53%, followed by the moderate category at 35%, while only a small minority are in the high category at 12%. These data indicate that, in general, students' listening proficiency remains at a sub-optimal level

Tabel 3. Perceived Difficulties in Students' Listening

Difficulty Aspects	Persentase
Vocabulary	78%
Speech rate	72%
Speaker's accent	65%
Understanding main ideas	70%

The data in Table 3. indicate that the students' primary difficulties lie in vocabulary (78%) and speech rate (72%), both of which directly affect their ability to comprehend the main ideas of spoken texts. This suggests that listening challenges are not merely linguistic in nature but are also closely related to the process of overall meaning construction.

Needs Analysis of Students in Listening Instruction

To obtain a more specific overview of students' requirements in listening instruction, a needs analysis was conducted, encompassing two primary dimensions: target needs and learning needs. The results of this analysis are presented in percentages to illustrate the dominant trends in student responses.

Table 4. Students' Target Needs in Listening Instruction

Components	Primary Indicators	Percentage
Goals	Comprehending everyday conversations	84%
Necessities	Mastery of basic vocabulary	78%
Lacks	Difficulty in understanding main ideas	72%
Wants	Contextual and easy-to-understand materials	86%

Based on Table 4, it is evident that the students' primary goal in learning listening is to comprehend everyday conversations (84%), indicating a learning orientation that is practical and communicative. Regarding necessities, the majority of students identify vocabulary mastery as a key requirement (78%), which serves as the foundation for processing oral input. Meanwhile, in terms of lacks, the most significant difficulty lies in the ability to understand main ideas (72%), indicating a weakness in macro-listening skills. Regarding wants, students show a high preference for contextual and accessible materials (86%), reinforcing the importance of material relevance in the learning process.

Table 5. Students' Learning Needs in Listening Instruction

Components	Primary Indicators	Percentage
Input	High-clarity audio recordings	85%
Procedures	Task-based activities	79%
Setting	Collaborative learning	76%
Teacher role	Facilitator and guide	81%
Learner role	Active participation in learning	83%

The data in Table 5 demonstrate that students have a clear preference for listening instruction characteristics that support active engagement. Regarding input, the majority of students desire high-clarity audio (85%) to facilitate the comprehension process. In terms of procedures, task-based activities are the primary choice (79%), suggesting that students tend to learn more effectively through hands-on practice. Furthermore, collaborative learning (76%) also emerges as a dominant preference among the respondents.

The role of the lecturer as a facilitator (81%) indicates that students require more than just material delivery; they also need scaffolded guidance in comprehending listening content. Meanwhile, students recognize the importance of their own active role in the learning process (83%), as reflected in the high percentage within the learner role aspect.

Overall, the results of this needs analysis demonstrate that effective listening instruction must be able to integrate relevant materials, interactive learning strategies, and support for the development of comprehensive meaning-making skills. These findings serve as the foundation for developing needs-based instructional materials, which are expected to enhance students' comprehension and engagement in listening learning.

Validity of Needs-Based Listening Instructional Materials

To ensure the feasibility of the developed instructional materials, a validation process was conducted by experts based on evaluation criteria encompassing content, language, presentation, and graphical design aspects. The assessment utilized a four-point Likert scale, which was subsequently analyzed using mean scores to determine the feasibility category.

Table 6. Results of Instructional Material Validation by Experts

Evaluation Aspects	Mean Score	Category
Content Feasibility	3.45	Very Good
Language	3.30	Good
Presentation	3.50	Very Good
Graphical Design	3.40	Very Good

Overall Average	3.41	Very Good

Based on Table 6, the validation results demonstrate that the developed instructional materials achieved a mean score of 3.41, falling into the 'very good' category. This indicates that, overall, the materials have met the feasibility standards for use in university-level listening instruction..

In the aspect of content feasibility, the high score suggests that the presented material aligns with student needs and supports the achievement of learning objectives. The linguistic aspect also received a good rating, indicating that the language used in the materials is sufficiently clear and communicative, although certain sections still require simplification.

Furthermore, regarding the presentation aspect, the instructional materials are considered to be systematically structured, effectively facilitating a step-by-step learning process through the pre-listening, while-listening, and post-listening stages. The graphical design aspect also received a very good rating, indicating that the visual design of the materials is sufficiently engaging and supports readability.

Student Engagement and Experience

To complement the quantitative findings, a qualitative analysis was conducted to identify the level of student engagement and learning experiences during the use of the needs-based listening instructional materials. The results of the analysis indicate a significant increase in student involvement within the learning process.

Table 7. Levels of Student Engagement

Engagement Aspects	Percentage
Active participation	82%
Attentiveness to materials	85%
Discussion involvement	79%
Learning motivation	81%

The data in Table 7 demonstrate that the majority of students exhibited high levels of engagement during the instruction. Attentiveness to materials emerged as the most dominant aspect (85%), followed by active participation (82%) and learning motivation (81%). These findings indicate that the instructional materials utilized were effective in creating a more interactive and engaging learning environment.

Furthermore, interview results revealed that approximately 78% of the students stated that the materials were easier to comprehend due to their contextual nature and alignment with their personal experiences. Additionally, 75% of the students expressed that the systematic instructional structure assisted them in understanding the listening content progressively. Meanwhile, about 80% of the students reported feeling more confident in participating in the lessons, as the materials provided were clearer and more structured.

These findings indicate that increased student engagement occurs not only behaviorally but also encompasses cognitive and emotional dimensions. Students are not only more active in the learning process but also demonstrate improved comprehension of the material and enhanced motivation during listening activities.

Hypothesis Testing

Hypothesis testing was conducted to determine the effectiveness of using needs-based listening instructional materials in improving students' listening proficiency. The analysis compared pre-test and post-test results using parametric testing..

Table 8. Descriptive Statistics of Listening Proficiency

TES	MEAN	STD. DEVIATION
PRE-TEST	58.40	8.25
POST-TEST	72.85	7.90

As shown in Table 8, the mean score increased from 58.40 in the pre-test to 72.85 in the post-test, indicating an upward trend in listening proficiency following the intervention.

Table 9. Normality Test Results (Shapiro-Wilk)

DATA	SIG.
PRE-TEST	0.087
POST-TEST	0.092

The normality test results indicate that the significance values for both pre-test and post-test data are greater than 0.05 ($p > 0.05$), indicating that the data are normally distributed and satisfy the assumptions for parametric testing.

Table 10. Paired Sample T-Test Results

MEAN DIFFERENCE	T-VALUE	SIG. (2-TAILED)
14.45	9.32	0.000

The paired sample t-test results yielded a significance value of 0.000 ($p < 0.05$), indicating a significant difference between the pre-test and post-test results. Consequently, the use of needs-based listening instructional materials is proven to have a significant impact on improving students' listening proficiency.

Tabel 11. Effect Size (Cohen's d)

EFFECT SIZE (D)	Category
0.85	Besar

An effect size of 0.85 indicates that the resulting impact falls within the "large" category. This finding confirms that the observed improvement is not only statistically significant but also possesses substantial effect strength within the context of listening instruction.

DISCUSSION

The core novelty of this research lies in the systematic integration of student needs analysis with instructional material design, specifically targeting macro listening skills within a mixed-methods framework. While previous studies in EFL listening often rely on generic textbooks or standard authentic media, this study introduces a contextually tailored approach based on the real-world challenges of advanced learners. Its originality is further highlighted by a comprehensive analysis that bridges the gap between needs-based materials and deep student engagement—both affective and cognitive—within the classroom.

This research highlights a statistically significant improvement in listening outcomes. Following the implementation of tailored materials, mean scores rose from 58.40 to 72.85 ($p < 0.05$), showing a substantial effect size. The quantitative data points to substantial progress in macro-level skills, especially in synthesizing overall meaning. What makes these findings truly stand out is the high level of student 'buy-in': participation reached 82%, while sustained attention and motivation followed closely at 85% and 81%. Ultimately, this confirms that contextually relevant content is a vital stimulus that fuels the cognitive process of language acquisition.

The findings of this study both align with and build upon previous research regarding the quality of materials in listening classrooms. Our results reinforce Krashen's Input Hypothesis, proving that language acquisition peaks when students are given comprehensible input—a point also championed by Kasimo et al. (2024) and Zeng (2025). Furthermore, the way

needs-based materials spark motivation and cognitive performance mirrors Kochkorova's (2025) work on contextual content. On the flip side, this study offers a refreshing counterpoint to Ouhejjou & Jmila (2025) and Saputri et al. (2025), who highlighted the heavy burden of macro-level processing in higher education. While Rukthong (2021) observed that students often get stuck in 'word-for-word' parsing, our intervention successfully nudged them toward high-level macro skills, validating the sub-skills teaching model proposed by Zhao & Lee (2022).

The consistency between this study and Rost's (2024) functional theory of listening stems from a shared view: listening is an active interpretive process that hinges on the learner's background knowledge. By conducting a needs analysis first, we ensured that the materials tapped directly into the students' existing mental schemas. Any slight variations in difficulty levels compared to Saputri et al. (2025) likely arise from methodological differences. While previous studies often used purely descriptive designs to 'snapshot' challenges without offering a solution, this research employed a mixed-methods sequential design. This approach allowed for a targeted intervention that bridged linguistic gaps, effectively neutralizing common hurdles like speaker speed and vocabulary limitations

This study fills a critical gap by shifting the focus from simply testing listening to actively teaching it. For too long, EFL listening classes have been stuck in a cycle of 'testing' comprehension using generic audio, rather than building it. By integrating needs analysis with macro-skill development, this research moves beyond standard practice to offer a blueprint for authentic instruction. It bridges the divide between theory and the classroom, proving that when materials are built around real student struggles, language acquisition becomes measurable, visible, and deeply engaging.

The implications of this study are clear: the era of generic, 'one-size-fits-all' listening materials in higher education should come to an end. True learner-centered instruction hinges on a precise diagnosis of student needs. For future studies, there is a compelling case for scaling this framework to larger, more varied groups. Furthermore, exploring the synergy between needs-based design and AI-driven technologies could reveal new ways to boost long-term retention of macro-listening skills, transforming how we track student progress in the digital age.

CONCLUSION

This study concludes that needs-based listening instructional materials effectively improve students' listening proficiency, as demonstrated by the increase in mean scores from 58.40 to 72.85 with a significant difference ($p < 0.05$) and a large effect size. This improvement reflects advancements in macro-listening skills, particularly in comprehending main ideas and constructing meaning. These quantitative findings are reinforced by qualitative data indicating high student engagement, characterized by active participation (82%), attentiveness (85%), and motivation (81%). The integration of both datasets confirms that instructional effectiveness is evident not only in the outcomes but also in the quality of the learning experience, thus ensuring that the mixed-methods approach comprehensively addresses the research objectives. This approach further demonstrates that a comprehensive evaluation of learning requires not only outcome measurement but also an understanding of the underlying processes.

REFERENCES

Adel Mohammad. (2025). Listening Comprehension Difficulties of EFL Students at the Faculty of Languages and Translation, Azzaytuna University. *AlQalam Journal of Medical and Applied Sciences*, 2148–2154. https://doi.org/10.54361/ajmas.258410

Atiyah, F., & Izzah, L. (2019). A Comparative Study on the Effectiveness of Using Direct and Audiovisual Methods for Enhancing Students Listening Comprehension. *English Language in Focus (ELIF)*, *2*(1), 9. https://doi.org/10.24853/elif.2.1.9-16

Bernhardt, E. B., & Krashen, S. D. (1989). Second Language Acquisition and Second Language Learning. *The Modern Language Journal*, *73*(4), 483. https://doi.org/10.2307/326882

Blinova, O. (2021). *The Challenges Of Developing Listening Comprehension: Evidence From Popular Efl Course Books*. 317–323. https://doi.org/10.21125/inted.2021.0094

Bourdeaud'Hui, H., Aesaert, K., & Van Braak, J. (2021). Exploring the Validity of a Comprehensive Listening Test to Identify Differences in Primary School Students' Listening Skills. *Language Assessment Quarterly*, *18*(3), 228–252. https://doi.org/10.1080/15434303.2020.1860059

Brown, H. D. (2001). *Teaching by Principles: An Interactive to Language Pedagogy* (2nd ed.). Addision Wesley Longman.

Creswell, J. W., & Clark, V. P. (2007). Mixed methods research. *Thousand Oaks, CA*. https://www.cambridgeenglish.org/Images/735110-studies-in-language-testing-volume-43.pdf#page=53

Etikan, I. (2016). Comparison of Convenience Sampling and Purposive Sampling. *American Journal of Theoretical and Applied Statistics*, *5*(1), 1. https://doi.org/10.11648/j.ajtas.20160501.11

Fakhruddin, Z., Arqam, A., & Maming, I. (2024). Analysis of English Listening Materials and the Compatibility to Curriculum. *JELITA*, *5*(1), 9–18. https://doi.org/10.56185/jelita.v5i1.591

Fitria, T. N. (2021). An Analysis of the Students' Difficulties in TOEFL Prediction Test of Listening Section. *ENGLISH FRANCA : Academic Journal of English Language and Education*, *5*(1), 95. https://doi.org/10.29240/ef.v5i1.2212

Fredricks, J. A., Blumenfeld, P. C., & Paris, A. H. (2004). School Engagement: Potential of the Concept, State of the Evidence. *Review of Educational Research*, *74*(1), 59–109. https://doi.org/10.3102/00346543074001059

Furuya, A. (2021). How Do Listening Comprehension Processes Differ by Second Language Proficiency? Top-Down and Bottom-Up Perspectives. *International Journal of Listening*, *35*(2), 123–133. https://doi.org/10.1080/10904018.2019.1694411

Gilakjani, A. P., & Ahmadi, M. R. (2011). A Study of Factors Affecting EFL Learners' English Listening Comprehension and the Strategies for Improvement. *Journal of Language Teaching and Research*, *2*(5), 977–988. https://doi.org/10.4304/jltr.2.5.977-988

Goh, C. C. M. (2000). A cognitive perspective on language learners' listening comprehension problems. *System*, *28*(1), 55–75. https://doi.org/10.1016/S0346-251X(99)00060-3

Hamada, Y., & Yanagawa, K. (2024). Aural vocabulary, orthographic vocabulary, and listening comprehension. *International Review of Applied Linguistics in Language Teaching*, *62*(2), 953–975. https://doi.org/10.1515/iral-2022-0100

Hardiyanto, A., Tanjung, M., & Suharjono, S. (2021). Listening Comprehension Difficulties; A Case Study Of Efl Students In Listening Class. *Eternal (English, Teaching, Learning, and Research Journal)*, *7*(1), 168. https://doi.org/10.24252/Eternal.V71.2021.A12

Hayati, A. M., & Jalilifar, A. (2009). The Impact of Note-taking Strategies on Listening Comprehension of EFL Learners. *English Language Teaching*, *2*(1), p101. https://doi.org/10.5539/elt.v2n1p101

Hutchinson, T. (1984). How communicative is ESP? *ELT Journal*, *38*(2), 108–113. https://doi.org/10.1093/elt/38.2.108

Hutchinson, T., & Waters, A. (1987). *English for Specific Purposes*. Cambridge University Press.

Kasimo, Y. Y., Ota, M. K., & Kara, Y. M. D. (2024a). Input hypotheses for developing EFL/ESL learners' listening comprehension skills. *Journal of Research in Instructional*, *4*(2), 367–379. https://doi.org/10.30862/jri.v4i2.436

Kasimo, Y. Y., Ota, M. K., & Kara, Y. M. D. (2024b). Input hypotheses for developing EFL/ESL learners' listening comprehension skills. *Journal of Research in Instructional*, *4*(2), 367–379. https://doi.org/10.30862/jri.v4i2.436

Kim, Y.-S. G. (2016). Direct and mediated effects of language and cognitive skills on comprehension of oral narrative texts (listening comprehension) for children. *Journal of Experimental Child Psychology*, *141*, 101–120. https://doi.org/10.1016/j.jecp.2015.08.003

Kochkorova, Z. (2025). Developing EFL Students' Listening Comprehension Through The Use Of Authentic Materials. *Pubmedia Social Sciences and Humanities*, *2*(4), 11. https://doi.org/10.47134/pssh.v2i4.381

Krahnke, K. J., & Krashen, S. D. (1983). Principles and Practice in Second Language Acquisition. *TESOL Quarterly*, *17*(2), 300. https://doi.org/10.2307/3586656

Mahbub, Moh. A. (2022). English Teaching in Vocational High School: A Need Analysis. *JEELS (Journal of English Education and Linguistics Studies)*, *5*(2), 229–258. https://doi.org/10.30762/jeels.v5i2.835

Miles, M. R. (2015, April 20). *Fair governance and interaction with government bothencourage voters to participate* [Online resource]. London School of Economics and Political Science. http://blogs.lse.ac.uk/usappblog/

Nadri, M., Baghaei, P., Zohoorian, Z., & Yates, G. (2019). The contribution of cognitive abilities and general language proficiency to explaining listening comprehension in English as a foreign language. *Cogent Education*, *6*(1), 1567010. https://doi.org/10.1080/2331186X.2019.1567010

Ouhejjou, M., & Jmila, M. (2025). Moroccan High-School Learners' Listening Comprehension Problems: Insights from Learner Self-Reports. *International Journal of Teaching, Learning and Education*, *4*(6), 1–12. https://doi.org/10.22161/ijtle.4.6.1

Rezaei, A., & Hashim, F. (2013). Impact of Awareness Raising about Listening Micro-skills on the Listening Comprehension Enhancement: An Exploration of the Listening Micro-skills in EFL Classes. *Australian Journal of Teacher Education*, *38*(8). https://doi.org/10.14221/ajte.2013v38n8.4

Rost, M. (1995). On-line summaries as representations of lecture understanding. Dalam J. Flowerdew (Ed.), *Academic Listening* (1 ed., hlm. 93–128). Cambridge University Press. https://doi.org/10.1017/CBO9781139524612.009

Rost, M. (2014). Listening in a Multilingual World: The Challenges of Second Language (L2) Listening. *International Journal of Listening*, *28*(3), 131–148. https://doi.org/10.1080/10904018.2014.937895

Rost, M. (2024). *Teaching and Researching Listening* (4 ed.). Routledge. https://doi.org/10.4324/9781003390794

Rost, M., & Candlin, C. N. (2014). *Listening in Language Learning* (0 ed.). Routledge. https://doi.org/10.4324/9781315846699

Rost, M., & Ross, S. (1991). Learner Use of Strategies in Interaction: Typology and Teachability*. *Language Learning*, *41*(2), 235–268. https://doi.org/10.1111/j.1467-1770.1991.tb00685.x

Rubin, J. (1994). A Review of Second Language Listening Comprehension Research. *The Modern Language Journal*, *78*(2), 199–221. https://doi.org/10.1111/j.1540-4781.1994.tb02034.x

Ruisah. (2025a). Empowering Listening Comprehension through Pre-Listening Strategies: An Action Research Study on EFL Learners. *IJLHE: International Journal of Language, Humanities, and Education*, *8*(1), 295–310. https://doi.org/10.52217/ijlhe.v8i1.1836

Ruisah. (2025b). Empowering Listening Comprehension through Pre-Listening Strategies: An Action Research Study on EFL Learners. *IJLHE: International Journal of Language, Humanities, and Education*, *8*(1), 295–310. https://doi.org/10.52217/ijlhe.v8i1.1836

Rukthong, A. (2021). Complex Interplay of Cognitive and Strategic Processing in EFL Listening: Implications for Teaching. *rEFLections*, *28*(3), 313–333. https://doi.org/10.61508/refl.v28i3.254570

Salah El-Din Attia Al-Feky, A.-S. (2021). Developing EFL University Students' Vocabulary Retention and Some Listening Comprehension Skills through Some Electronic Devices Thesis. 338–333), 1(*1*, الإنسانية للدراسات مصر جامعة مجلة. https://doi.org/10.21608/mjoms.2021.153751

Saputri, A., Ahada, I., Setiawan, I., & Sucahyo, D. (2025). Listening Comprehension Challenges: Analyzing EFL Students in the English Teacher Education Program at Universitas Mulawarman. *Borneo Educational Journal (Borju)*, *7*(1), 147–157. https://doi.org/10.24903/bej.v7i1.1995

Sawal, A., Jamiluddin, J., Mashuri, M., & Aminah, A. (2025). ANALYSIS STUDENTS' PROBLEMS IN LEARNING LISTENING COMPREHENSION SKILLS. *e-Journal of ELTS (English Language Teaching Society)*, *13*(1), 974–983. https://doi.org/10.22487/elts.v13i1.4451

Schmidt-Rinehart, B. C. (1994). The Effects of Topic Familiarity on Second Language Listening Comprehension. *The Modern Language Journal*, *78*(2), 179–189. https://doi.org/10.1111/j.1540-4781.1994.tb02030.x

Shang, H.-F. (2005). An Investigation of Cognitive Operations on L2 Listening Comprehension Performance: An Exploratory Study. *International Journal of Listening*, *19*(1), 51–62. https://doi.org/10.1080/10904018.2005.10499074

Toyon, M. A. S. (2021). Explanatory sequential design of mixed methods research: Phases and challenges. *International Journal of Research in Business and Social Science (2147- 4478)*, *10*(5), 253–260. https://doi.org/10.20525/ijrbs.v10i5.1262

Warti, W. (2020). Esp Students' Needs Analysis Based On The Learning-Centred Approached. *Wanastra: Jurnal Bahasa dan Sastra*, *12*(2), 164–170. https://doi.org/10.31294/w.v12i2.8631

Wiwoho, G. (2022). Listening-first approach and listening strategies towards successful efl listening classroom. *Linguamedia Journal*, *2*(02). https://doi.org/10.56444/lime.v2i02.2863

Zeng, Y. (2025). Study on Optimal Input Forms in Second Language Acquisition from the Perspective of Krashens Input Hypothesis. *Communications in Humanities Research*, *67*(1), 188–192. https://doi.org/10.54254/2753-7064/2025.BO23961

Zhang, Z., Ma, L., & Gou, L. (2025). An exploration of Krashen's input hypothesis. *Region - Educational Research and Reviews*, *7*(1), 63. https://doi.org/10.32629/rerr.v7i1.3627

Zhao, J., & Lee, C. I. (2022). Teaching EFLLs Listening Subskills With a Speaking-Listening Model in a Computer-Mediated Communication Setting. *Frontiers in Psychology*, *13*, 836013. https://doi.org/10.3389/fpsyg.2022.836013

Zhupanyk, O. (2022). Efficiency And Peculiarities Of Application Of Authentic Materials Aimed At The Development Of Listening Comprehension In Efl Lessons. *Problems of Modern Teacher Training*, (1), 67–74. https://doi.org/10.31499/2307-4914.1.2022.258474