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A RESEARCH OUTLINE ON EXISTING LINGUISTIC STUDIES OF ANGIKA

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ABSTRACT

This research paper provides a comprehensive overview of existing linguistic studies on Angika, a language spoken predominantly in the Indian states of Bihar, Jharkhand, and West Bengal, and also in parts of Nepal. The linguistic classification of Angika remains a subject of ongoing debate; some scholars classifying it as a dialect of Maithili (Grierson in the Linguistic Survey of India), while others advocate for its recognition as an independent language. This review systematically examines scholarly literature to map the current state of Angika linguistics, analysing its phonology, morphology, syntax, semantics, sociolinguistics, and historical development. The analysis identifies key research themes, highlights existing gaps in our understanding of the language, and critically evaluates the methodological approaches used in previous studies. This work is based on online available resources and few offline Angika books.

Furthermore, it explores the influence of socio-political factors on the research landscape, considering Angika's endangered status (UNESCO, 2009 in 'The Atlas of Endangered Languages') and the ongoing controversies surrounding its classification. The paper concludes by proposing avenues for future research, aiming to fill the identified gaps and foster a more complete understanding of Angika's linguistic structure and its position within the Indo-Aryan language family.

Keywords: Angika, Indo-Aryan Languages, Dialect, Linguistic Typology, Language Documentation.

1. Introduction: The Scope and Significance of Angika Linguistics

Angika, a vibrant Indo-Aryan language, demands a closer examination within the broader landscape of linguistic research. This review paper aims to comprehensively assess existing studies on Angika, highlighting its unique characteristics and identifying areas requiring further investigation. Understanding Angika's linguistic structure is crucial not only for advancing our knowledge of Indo-

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Aryan languages but also for supporting its speakers' linguistic and cultural preservation efforts. The scarcity of dedicated linguistic research on Angika necessitates a systematic review of the available literature to pinpoint existing gaps and inform future research directions. This review will examine Angika's phonology, morphology, syntax, lexicon, and pragmatics, analysing its internal structure and relationship to neighbouring languages. A key focus will be identifying and analysing the inconsistencies and contradictions found in existing studies, while also evaluating the methodological strengths and weaknesses of past research. This will serve as a foundation for suggesting future research avenues.

1.1. Defining Angika: Language Family, Dialects and Geographic Distribution

Angika belongs to the Eastern Indo-Aryan branch of the Indo-European language family. Its close relationship to Maithili and Magahi is widely acknowledged, although the precise phylogenetic connections remain a subject of ongoing debate. The classification of Angika within the larger Indo-Aryan family has been influenced by various factors, including shared vocabulary, grammatical structures, and historical linguistic developments. Further research is necessary to definitively establish its position within this complex linguistic family tree. Angika exhibits significant dialectal variation across its geographical distribution, primarily in its phonology and lexicon. While a comprehensive linguistic atlas documenting these variations is absent, anecdotal evidence suggests substantial differences between Angika dialects spoken in different regions of Bihar and Jharkhand. These variations might reflect historical migration patterns, social stratification, and language contact phenomena. A detailed study of Angika dialects is needed to map their geographic distribution and analyze the factors contributing to their diversity. The precise geographic boundaries of Angika are also not clearly defined, with its speakers often residing in areas where other related languages such as Maithili and Magahi are also spoken. This necessitates further field research to accurately delineate the language's geographical reach.

1.2. Sociolinguistic Context of Angika: Speaker Demographics and Language Contact

Determining the precise number of Angika speakers is challenging due to the lack of comprehensive census data that specifically categorizes Angika as a distinct language. Existing census data often groups Angika speakers with those of related languages like Maithili or Magahi, leading to the underrepresentation of Angika's true speaker population. The demographic characteristics of Angika speakers are also largely undocumented. While it is known that Angika is primarily spoken in rural areas of Bihar and Jharkhand, detailed information on the age, gender, education, and socioeconomic status of its speakers is needed to understand the sociolinguistic vitality of the language.

Language contact with Maithili, Magahi, Hindi, and potentially other languages in the region has undoubtedly influenced Angika's development, leading to code-switching, borrowing, and structural changes. The impact of these language contact phenomena on the lexicon, phonology, and grammar of Angika needs further study. Investigating the attitudes of Angika speakers towards their language and its use in different social domains (e.g., family, education, and work) is crucial for assessing its social status and predicting its prospects. Quantitative and qualitative sociolinguistic research methods would be valuable for gaining a deeper understanding of Angika's sociolinguistic context.

1.3. Research Gaps and Objectives: Motivating the Present Review

Existing linguistic research on Angika is limited, with significant gaps in several key areas. A comprehensive descriptive grammar of Angika is absent, hindering a thorough understanding of its grammatical structure. While some studies have touched upon aspects of Angika phonology, morphology, and syntax, these are often limited in scope and lack detailed analysis. Comparative studies of Angika with related languages are also scarce, preventing a comprehensive understanding of its historical development and its relationship with other Indo-Aryan languages. The sociolinguistic aspects of Angika, particularly its use in various social contexts and the attitudes of its speakers, are largely unexplored. This research outline aims to address these gaps by providing a systematic review of existing linguistic studies on Angika, synthesizing the available information, and identifying areas for future research. The objectives are to: (i) compile a comprehensive list of existing studies on Angika; (ii) critically evaluate the methodologies and findings of these studies; (iii) identify significant gaps and inconsistencies in the current state of knowledge; (iv) propose specific research questions and methodologies for future studies; and (v) contribute to the preservation and promotion of Angika as a distinct and valuable language.

2. Phonology of Angika: Sound Systems and Variations

The phonological system of Angika, while not fully documented, presents intriguing features requiring further investigation. Available descriptions suggest a relatively standard Indo-Aryan phoneme inventory, but detailed phonetic analyses are needed to confirm the precise range of sounds and their allophonic variations across dialects. Pandeyparamananda's Angika ka Bhasha-Vigyanik adhyayan [5], [5] and Ramesh Mohan Sharma's Angika Bhasha ka Dhvani Vigynik Adhyayan, offer valuable insights into the phonology, morphology, and syntax of the language. These works, however, may not always utilize contemporary linguistic frameworks, requiring further analysis and reinterpretation using modern methodologies. The interaction of Angika's phonology with its morphological structure, particularly in terms of phonological processes affecting word formation, is another

area that needs further attention. Comparative phonological studies of Angika with Maithili, Magahi, Bajjika, Avadhi, Thethi, and Kortha (Dialect of Angika) (Das, 2013) could shed light on its historical development and its unique features within the broader Eastern Indo-Aryan linguistic landscape.

2.1. Phoneme Inventory and Distribution: Consonants and Vowels

While a complete phoneme inventory for Angika is lacking, preliminary observations suggest a set of consonants and vowels typical of Eastern Indo-Aryan languages. Detailed phonetic transcriptions from various Angika dialects are needed to confirm this inventory and to identify any dialectal variations in phoneme realization. The distribution of these phonemes within words and phrases requires careful study to determine their positional constraints and any allophonic variations that might occur. This analysis should consider the influence of stress, intonation, and surrounding sounds on phoneme pronunciation. The use of acoustic analysis techniques could provide further insights into the subtle phonetic differences between Angika dialects.

2.2. Phonotactics: Syllable Structure and Permitted Consonant Clusters

The syllable structure of Angika needs a detailed investigation. While some generalizations can be made based on limited data, a comprehensive analysis of Angika's phonotactics is necessary to determine the permissible syllable onsets, nuclei, and codas. This includes investigating the types of consonant clusters that are allowed in Angika and the restrictions on their combinations. A comparative study of Angika phonotactics with related languages can reveal patterns of shared features and unique characteristics. The analysis should also consider the impact of borrowing from other languages on Angika's syllable structure.

2.3. Phonological Processes: Assimilation, Dissimilation, and Other Changes

Phonological processes such as assimilation, dissimilation, metathesis, and deletion are likely to operate in Angika, as they are common features of Indo-Aryan languages. However, the specific processes that apply in Angika and their frequency of occurrence require detailed examination. This analysis should consider the interaction of phonological processes with morphological and syntactic structures. A corpus-based study of Angika's speech would provide valuable data for identifying and analyzing these processes. The analysis should also assess whether these processes vary across different Angika dialects.

3. Morphology of Angika: Word Formation and Grammatical Categories

The morphological system of Angika is another area where research is limited. While some studies have touched upon aspects of

Angika morphology, a comprehensive analysis is lacking. This includes a detailed study of inflectional morphology (noun and verb conjugation), The verb conjugation system of Angika needs thorough investigation, including the analysis of tense, and aspect, mood, and person/number agreement. The complexity of the verb system and the presence of any irregular verb forms should be analyzed. Derivational morphology (affixation and compounding) processes is needed, including the identification of the most common affixes and their semantic functions. The formation of compound words in Angika should also be examined, focusing on the types of compounds that are formed and the principles governing their construction. The productivity of different derivational processes should be assessed, and their contribution to the growth and evolution of the Angika lexicon should be examined. A comparative study with related languages like Maithili, Magahi, Awadhi, Bajjika and Bhojpuri could help to identify the unique features of Angika's morphological system and its historical development. The analysis should consider the impact of language contact on its morphological typology.

4. Syntax of Angika: Sentence Structure and Word Order

The syntactic structure of Angika requires a detailed investigation. While some basic observations about word order can be made based on limited data, a comprehensive analysis is needed to understand the full range of syntactic constructions in Angika. This includes a study of word order patterns, phrase structure rules, and clause-combining strategies. Comparative syntactic studies with related languages are also necessary to identify Angika's unique syntactic features and its historical development. The influence of language contact on Angika's syntax should also be considered.

4.1. Word Order: Basic Constituent Order and Variations

The basic word order of Angika needs to be determined through careful analysis of a substantial corpus of Angika sentences. This analysis should consider the order of subject, verb, and object, as well as the position of other sentence constituents. Any variations in word order depending on sentence type or pragmatic context should be noted. A comparison with other Indo-Aryan languages will help to establish the typological position of Angika concerning word order.

4.2. Phrase Structure: Noun Phrases, Verb Phrases and Prepositional Phrases

The internal structure of noun phrases, verb phrases, and prepositional phrases in Angika requires detailed analysis. This includes identifying the types of modifiers and complements that can occur within each phrase type and analyzing the hierarchical relationships between phrases. The analysis should consider the role of grammatical functions (e.g., subject, object, predicate) in determining phrase structure. A comparison with other Indo-Aryan languages will help to identify any unique features of Angika's phrase structure.

4.3. Clause Combining: Coordination, Subordination and Relative Clauses

The mechanisms by which clauses are combined in Angika need thorough investigation. This includes analyzing the strategies used for coordination (e.g., conjunctions, asyndetic coordination), subordination (e.g., complementizers, embedded clauses), and relative clauses. The syntactic features of these constructions and their semantic interpretations should be analyzed. A comparison with related languages will illuminate the similarities and differences in clause-combining strategies.

5. Lexicon of Angika: Vocabulary and Semantic Fields

The lexicon of Angika represents a rich source of information about its cultural and historical context. However, a comprehensive lexicographical study of Angika is needed to fully understand its vocabulary size, semantic fields, and the influence of language contact. This includes identifying the core vocabulary of Angika, as well as specialized terms used in specific domains. The semantic relationships between words and the organization of vocabulary into semantic fields require detailed analysis. The impact of borrowing from other languages on the Angika lexicon also needs to be assessed.

5.1. Vocabulary Size and Frequency: Core Vocabulary and Specialized Terms

Estimating the size of the Angika lexicon requires the compilation of a comprehensive wordlist, ideally based on a large corpus of Angika text and speech. This wordlist should include information on word frequency, allowing for the identification of core vocabulary items that are frequently used in everyday communication. Specialized terms used in specific domains (e.g., agriculture, technology, social interactions) should also be identified and analyzed. This will provide insights into the richness and diversity of Angika vocabulary.

5.2. Semantic Fields: Categorization of Vocabulary and Conceptual Organization

Analyzing the organization of Angika vocabulary into semantic fields requires a careful examination of the relationships between words. This involves grouping words together based on shared meaning and identifying the semantic relationships between different groups of words. The analysis should consider the cultural and cognitive aspects of lexical organization, exploring how the organization of vocabulary reflects the cultural knowledge and worldview of Angika speakers. This analysis can reveal valuable insights into the cultural and cognitive aspects of Angika.

5.3. Language Contact and Borrowing: Sources of Loanwords and their Integration

Identifying loanwords in the Angika lexicon requires comparing its vocabulary with those of neighboring languages. This involves identifying words of non-Angika origin and determining their source languages. The processes by which these loanwords have been integrated into the Angika lexicon should also be investigated. This includes analyzing the phonological, morphological, and semantic adaptations that loanwords have undergone. This analysis will provide insights into the history of language contact and its impact on the Angika lexicon.

6. Pragmatics and Sociolinguistics of Angika: Language Use in Social Contexts

The pragmatic and sociolinguistic aspects of Angika are largely unexplored, representing a significant gap in the current understanding of the language. Research is needed to investigate how language is used in different social contexts, reflecting social structures and power dynamics. This includes analyzing speech acts, discourse markers, and sociolinguistic variation in Angika. The impact of language contact on Angika's pragmatic and sociolinguistic features should also be considered.

6.1. Speech Acts: Direct and Indirect Speech, Politeness Strategies

Analyzing speech acts in Angika requires examining how speakers use language to perform actions such as requests, commands, apologies, and compliments. This includes distinguishing between direct and indirect speech acts and analyzing the linguistic strategies used to convey politeness. The analysis should consider the cultural norms that govern speech act performance in Angika-speaking communities. A comparative study with other Indo-Aryan languages could reveal the unique features of Angika's politeness system.

6.2. Discourse Markers: Turn-Taking, Topic Shifts and Conversational Structure

Discourse markers are linguistic elements that signal turn-taking, topic shifts, and other aspects of conversational structure. Analyzing discourse markers in Angika requires examining how they function in different conversational contexts. This includes investigating their role in indicating the speaker's stance, managing turn-taking, and signaling topic shifts. The analysis should consider the cultural norms that govern conversation in Angika-speaking communities.

6.3. Sociolinguistic Variation: Register, Style and Dialectal Differences in Use

Sociolinguistic variation in Angika refers to the different ways in which the language is used in different social contexts. This includes investigating register variation (e.g., formal vs. informal), style variation (e.g., narrative vs. descriptive), and dialectal differences in language use. The analysis should consider the social factors that contribute to this variation, such as age, gender, social class, and

education. This analysis will illuminate the social dynamics of Angika language use.

7. Conclusion: Summary of Findings and Future Research Directions

This review highlights the significant gap in existing linguistic research on Angika. While some studies have touched upon aspects of Angika's phonology, morphology, syntax, lexicon, language typology, field linguistics and sociolinguistics etc., a comprehensive and systematic study is lacking. Future research should focus on several key areas: developing a comprehensive descriptive grammar of Angika, conducting detailed comparative studies with related languages, and investigating the sociolinguistic aspects of Angika. This will contribute significantly to our understanding of this under-researched language and support efforts for its digitalization, documentation, preservation and promotion.

7.1. Synthesis of Findings: Key Insights into Angika Linguistic Structure

The available research on Angika suggests a language with features typical of the Eastern Indo-Aryan branch, but with unique characteristics that require further investigation. Its phonology appears to share similarities with related languages, but a detailed analysis of its phoneme inventory, phonotactics, and phonological processes is needed. Its morphology exhibits inflectional and derivational patterns, but a comprehensive description of its inflectional system (noun and verb conjugation) and derivational processes (affixation and compounding) is lacking. Its syntax needs further investigation to fully understand its word order, phrase structure, and clause-combining strategies. Its lexicon is largely unexplored, requiring a comprehensive lexicographical study to determine its vocabulary size, semantic fields, and the impact of language contact. Finally, its pragmatic and sociolinguistic aspects are largely unknown, requiring detailed analysis of speech acts, discourse markers, and sociolinguistic variation.

7.2. Limitations of Existing Research: Gaps in Knowledge and Methodological Issues

The main limitation of existing research on Angika is its limited scope and the lack of a comprehensive, systematic approach. Many studies are descriptive and anecdotal, lacking rigorous methodologies and detailed analyses. There is a lack of large-scale corpus-based studies that would provide a more robust foundation for linguistic analysis. The geographic coverage of existing studies is also limited, often focusing on specific dialects or regions, neglecting the diversity of Angika as a whole. The sociolinguistic context of Angika is largely unexplored, resulting in a lack of understanding of the language's social status, its vitality, and its role in the lives of its speakers.

7.3. Future Research Directions: Promising Avenues for Investigation

Several avenues for future research are suggested based on the identified gaps. A priority is the development of a comprehensive

descriptive grammar of Angika, encompassing its phonology, morphology, syntax, and lexicon. This should be based on a large and representative corpus of Angika data, collected using rigorous methodologies. Comparative studies are also needed to analyze Angika's relationship to other Eastern Indo-Aryan languages, examining its phylogenetic position and identifying its unique linguistic features. Sociolinguistic research is crucial to understanding the language's social status, its vitality, and the attitudes of its speakers toward their language. This research should investigate the language's use in different social contexts, and the impact of language contact on Angika's structure and use. Finally, research into the language's documentation and preservation is vital to ensure its continued use and transmission to future generations. This could involve the creation of dictionaries, grammars, and other linguistic resources, as well as the development of language learning materials and educational programs.

References

Abbasi, B. A., Sulaiman, Z., & Kashyap, R. (2020). An Inquiry into Negation(s) in Urdu and Angika: A Comparative Study. *Purakala*, 31(18), 913-924.

Asad, M. (2022). Acoustic Space and Formant Patterns of Vowels in Maithili and Angika: A Comparative and Descriptive Study. *Interdisciplinary Journal of Linguistics*, 15, 127-138.

Bhattacharya, T. (2016). Inner/Outer Politeness in Central Māgadhan Prākrit Languages: Agree as Labeling1. *Linguistic Analysis*, 40, 1-40.

Chandrana, A. K., & Garg, N. (2021). Number and Gender Agreement: A Comparative Study of Angika and Maithili. *Anukriti*, 11(6), 47-54.

Chandrana, A. K., & Pandey, A. (2022). Nominal Phrases in Angika, Maithili, Awadhi, and Bhojpuri: A Comparative Study. *International Journal of Novel Research and Development*, 7(7), 458-474.

Jahnavi, Raj, A., Azad, L., & Krishna, D. (2022). A Structural Analysis of Reduplicative Words in Eastern Indo -Aryan Languages of Bihar. *Explore- Journal of Research*, 14(1), 39-47.

Kashyap, A. (2014). The Bajjika Language and Speech Community. In *Small Languages and Small Language Communities* 76 (pp. 20-224). De Gruyter Mouton. DOI 10.1515/ijsl-2014-0001

Kashyap, A. K. (2017). Lexicogrammar of the Bihari Languages: a Metafunctional Survey. *Fabrics of Indian Linguistics*, 1-19.

Krishna, D., & Handoko, H. (2024). An Analysis of Vulnerable Languages of Bihar from Ecological Linguistic Perspective. *Gramatika STKIP PGRI Sumatera Barat*, 10(1), 170-178. https://doi.org/10.22202/jg.2024.v10i1.8131

Kumar, C. (2019). *Typology of Nominal Modifiers in Major Languages of Bihar- Magahi, Bhojpuri, Maithili, Angika and Bajjika* [Unpublished doctoral dissertation]. Jawaharlal Nehru University, Delhi.

Kumar, S., Jyothi, P., & Bhattacharyya, P. (2024*). Part-of-Speech Tagging for Extremely Low-Resource Indian Languages.* Findings of the Association for Computational Linguistics ACL 2024, 14422-14431. https://doi.org/10.18653/v1/2024.findings-acl.857

Kumar, S., & Sinha, S. (2023). *Second Person Pronominals: A Case Study Of Angika, Magahi, Bhojpuri, Maithili, And Thethi* [Conference session]. International Conference of Linguistic Society of India(ICOLSI- 45), Aligarh Muslim University, India.

Kumari, K., & Upadhyay, R. K. (2020). Socio-Cultural Aspect Of Angika. *Palarch's Journal Of*Archaeology *Of Egypt/Egyptology*, 17(6), 6797-6804.

Lahiri, b. (n.d.). *Ablative and Instrumental Marker in some of the EIA Languages*. Chapter 6.

Lucy. (2018). Reduplication in Angika. *vaak manthan*, 3(1), 14-17.

Natrajan, R. K. (2019). The Agreement of Second Person Pronouns and Adjectives in English, Hindi and Angika. International Journal of Research in Engineering, IT and Social Sciences, 9(6), 47-51.

Qamar, M. T. (2017). A Sketch of Supra segmental Features of Modern Angika and Magahi *A Descriptive Study*. Language in India, 17(3), 447-452.

Raj, S. (2017). Mother-Tongue Based Second Language Instruction in The Indian Rural Multilingual Context. *International Journal of Innovative Research and Advanced Studies (IJIRAS)*, 4(5), 287-293.

Regmi, A. (2017). A Sociolinguistic Survey of Angika. *Linguistic Survey of Nepal* (LinSuN).

Stroński, K. (2009). Approaches to Ergativity in Indo-Aryan. *Lingua Posnaniensis*, 51(1). https://doi.org/10.2478/v10122-009-0006-x

Toulmin, D. (2011). The Terms of Translation When "Literal" is Inaccurate: A Multi-Dimensional Approach to Translating Scripture Meaningfully. *International Journal of Frontier Missiology*, 28(3), 127-137.

Kumari, N. (2024). *Morphophonemic Alternations in Angika* [Conference session]. The Students' Conference of Linguistics in India (SCONLI-14), IIT-KGP, West Bengal.

Singh, S. K. (2016). *A New Linguistic World Order and Language Endangerment*. In *FEL XX, Language Colonization and Endangerment: Long-Term Effects, Echoes and Reactions* (pp. 193-199). Foundation for Endangered Languages 129 High Street Hungerford RG17 0DL England.

Jha, S. C. (1999). *अंगिका भाषा व्याकरण भास्कर* (1st ed.). Sarswati Press, Bhagalpur.

Kushwaha, T. N. (1999). *अंगिका भाषा का इतिहास* (1st ed.). Hindi Academy Hyderabad.

Pandey, P. (2016) *Angika ka Bhasha Vaigyanik Adhyayan*