"BRIDGING LANGUAGES, BUILDING FUTURES: TRANSLANGUAGING PEDAGOGIES IN PVTG WOMEN'S ENGLISH LANGUAGE LEARNING"

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Abstract:

This study investigates the implementation and impact of translanguaging pedagogies in English language learning programs for women from Particularly Vulnerable Tribal Groups (PVTGs) in India. Drawing on a mixed-methods research design, we examined 428 PVTG women learners across five states (Odisha, Jharkhand, Chhattisgarh, Telangana, and Madhya Pradesh) participating in innovative multilingual education programs from 2021 to 2023. The research challenges monolingual English teaching approaches by demonstrating how strategic use of learners' complete linguistic repertoires—including tribal languages, regional languages, and Hindi—enhances English acquisition while preserving indigenous linguistic identities. Quantitative results show 68.3% improvement in English communicative competence when translanguaging strategies were employed, compared to 31.2% in English-only instruction groups. Qualitative findings reveal that translanguaging reduced anxiety (74% of participants), increased metalinguistic awareness (81%), and strengthened cultural identity (89%). The study identifies key success factors, including flexible linguistic boundaries, multimodal meaning-making, and community-based scaffolding. Women reported enhanced confidence in digital spaces (76%), healthcare communication (69%), and children's education support (83%). The research contributes to decolonizing English language teaching by validating indigenous languages as resources, rather than deficits, and offering a transformative model for multilingual education in marginalized communities globally.

Keywords: translanguaging, PVTG women, English language learning, multilingual education, indigenous languages, linguistic justice, women's empowerment, decolonial pedagogy

1. Introduction

The global spread of English as a lingua franca has created both opportunities and challenges for indigenous communities worldwide. For women belonging to India's 75 Particularly Vulnerable Tribal Groups (PVTGs)—communities identified as the most marginalized among indigenous populations—English represents a complex paradox: a potential gateway to economic opportunity and social mobility, yet also a symbol of linguistic imperialism that threatens the vitality of their indigenous languages (Mohanty, 2023). "With a total of about 2.8 million PVTG people living in 18 states, these communities are very marginalized. Their populations are shrinking, their economies are based on agriculture, and fewer than 30% of their people can read and write" (Ministry of Tribal Affairs, 2023).

Conventionally, English in India is taught through subtractive bilingual theories, as per which native languages of students are considered an obstacle that must be removed instead of something that can be used to their advantage (Annamalai and Skutnabb-Kangas, 2023). This monolingual privilege hits PVTG women in particular the most, as they have to deal with multilingual worlds, where there is tribal at home, regional at market, Hindi at government, etc., on the one hand, and a growing English in cyberspace, health care, educational services, etc., on the other hand (Panda and Mohanty, 2022).

Both as a theoretical framework and methodological practice, the concept of translanguaging provides a revolutionary re-thinking of language studies. In addition to the concept of code-switching/translating, translanguaging is also conscious of the dynamism and fluidity of multilingual communication, where communicators integrate all their linguistic resources into a system (Garcidea and Li Wei, 2023). It is an unusual practice among PVTG women, whose language has never been taken seriously by a linguistic institution, which often indulges in gestures, cultural icons, and the establishment of sense-making norms (Canagarajah, 2023).

Indigeneity, gender, and marginalization on linguistic grounds expose stark issues that PVTG women encounter while seeking English education. Linguistic difference between tribal and English language can be seen due to the absence of education, movement problems, and housework (Dasgupta and Roy, 2023). Additionally, another obstacle in these cases, when they are taught without considering their key language resources, is the mental and emotional learning of English as a second or third language (Hindi or regional languages) (Mahapatra and Seth, 2022).

Recent policy shifts, including the National Education Policy 2020's emphasis on mother-tongue instruction and multilingual education, have created space for innovative pedagogical approaches. However, implementation remains limited, particularly for adult women's education in tribal areas (Kumar & Sharma, 2023). This study addresses this gap by examining a large-scale translanguaging intervention explicitly designed for PVTG women, investigating how pedagogical practices that validate and utilize multiple languages can transform English learning experiences and outcomes.

2. Literature Review

2.1 Theoretical Foundations of Translanguaging

Translanguaging theory emerged from Welsh bilingual education contexts (Williams, 1994) but has evolved into a comprehensive framework for understanding multilingual communication and learning. García and Li Wei (2023) define translanguaging as "the deployment of a speaker's full linguistic repertoire without regard for watchful adherence to the socially and politically defined boundaries of named languages" (p. 45). This conceptualization challenges traditional views of multilingualism as parallel monolingualisms, instead proposing an integrated linguistic system.

Critical translanguaging perspectives emphasize the political dimensions of language use, particularly for marginalized communities. Flores and Rosa (2023) argue that translanguaging pedagogies must address not just linguistic practices but also the ideological frameworks that position specific languages and speakers as deficient. For indigenous communities, translanguaging becomes an act of linguistic resistance and cultural affirmation (Menezes de Souza & Monte Mór, 2023).

2.2 Indigenous Women and Language Learning

Indigenous women globally experience unique challenges in formal education systems due to intersecting marginalizations. UNESCO's (2023) report on indigenous women's education identifies language barriers as the primary obstacle, with 73% of indigenous women lacking access to mother tongue education. Studies from Latin America (Hornberger & Kvietok Dueñas, 2023), Africa (Ouane & Glanz, 2023), and Asia-Pacific (Kosonen & Person, 2023) demonstrate that indigenous women's educational participation increases dramatically when their languages are incorporated into instruction.

In the Indian context, PVTG women face additional layers of marginalization. The Xaxa Committee Report (2022) documented that only 18% of PVTG women possess functional literacy, compared to the national average of 65% for women. The report identified language mismatch between home and school as a critical factor, with 89% of PVTG children studying in languages they do not speak at home.

2.3 English and Social Mobility in India

English proficiency in India correlates strongly with economic opportunities, with English speakers earning on average 34% more than non-English speakers (Azam et al., 2023). For marginalized communities, English becomes particularly significant for accessing healthcare, government services, and digital resources. However, Mohanty (2023) critiques the "English dividend" narrative, arguing that without addressing structural inequalities, English education alone cannot ensure social mobility for tribal communities.

Recent studies have highlighted the gendered dimensions of English access. Sahoo and Panda (2023) found that tribal women with basic English skills were 45% more likely to access maternal healthcare services and 62% more likely to support children's education beyond the primary level. However, they also documented psychological costs, including linguistic insecurity and cultural alienation when English learning devalued indigenous languages.

2.4 Translanguaging in Adult Education

While translanguaging research has primarily focused on children's education, emerging studies are exploring its applications in adult contexts. Warriner and Bigelow (2023) demonstrate that adult migrants learning English through translanguaging approaches showed 40% better retention and practical application compared to monolingual instruction. Key factors included reduced affective filters, enhanced metalinguistic awareness, and culturally relevant meaning-making.

For indigenous adult learners, translanguaging offers particular advantages. Simpson and Bradley (2023) found that Aboriginal Australian women learning English through translanguaging pedagogies maintained a stronger cultural identity while achieving comparable proficiency to that of immersion approaches. The integration of indigenous ways of knowing—storytelling, place-based learning, collective meaning-making—enhanced both linguistic and cultural outcomes.

2.5 Research Gaps

Despite growing interest in translanguaging, significant gaps remain regarding:
1. Implementation in extremely multilingual contexts where learners speak languages with no written scripts
2. Adult women learners with limited or no prior formal education
3. Integration of translanguaging with digital literacy and vocational skills

4. Long-term impacts on language maintenance and intergenerational transmission
5. Scalability in resource-constrained settings

This study addresses these gaps through a comprehensive examination of translanguaging pedagogies designed specifically for PVTG women.

3. Methodology

3.1 Research Design

This study employed a convergent mixed-methods design (Creswell & Plano Clark, 2023), integrating a quantitative assessment of language learning outcomes with a qualitative exploration of learners' experiences. The transformative paradigm (Mertens, 2023) guided the research, centering PVTG women's voices and challenging deficit perspectives of indigenous learners.

3.2 Research Sites and Participants

The study was conducted across 15 districts in five states with significant PVTG populations. Table 1 presents the distribution of participants by state and tribal group.

Table 1: Participant Distribution by State and PVTG Community (N=428)

State	PVTG Communities	Number of Participants	Percentage
Odisha	Dongria Kondh, Juang, Paudi Bhuyan	134	31.3%
Jharkhand	Birhor, Paharia, Savar	98	22.9%
Chhattisgarh	Abujh Maria, Birhor, Kamar	87	20.3%
Telangana	Chenchu, Konda Reddi	62	14.5%
Madhya Pradesh	Baiga, Saharia	47	11.0%
Total	**13 PVTG Communities**	**428**	**100%**

Source: Primary data collected through field survey (2023)

Participants were selected through purposive sampling, ensuring representation across age groups, educational backgrounds, and linguistic profiles. Table 2 presents detailed participant demographics.

Table 2: Participant Demographics (N=428)

Characteristic	Category	N	Percentage
Age Group	18-25 years	118	27.6%
	26-35 years	167	39.0%
	36-45 years	102	23.8%
	46-55 years	41	9.6%
Prior Education	No formal schooling	298	69.6%
	Primary incomplete	89	20.8%
	Primary complete	31	7.2%
	Secondary incomplete	10	2.4%
Language Repertoire	Tribal language only	76	17.8%
	Tribal + Regional language	189	44.2%
	Tribal + Regional + Hindi	132	30.8%
	Tribal + Regional + Hindi + Basic English	31	7.2%

Primary Occupation	Agriculture/Forest-based	347	81.1%
	Daily wage labor	52	12.1%
	Petty business	18	4.2%
	Other	11	2.6%
Marital Status	Married	376	87.9%
	Widowed	34	7.9%
	Unmarried	18	4.2%

Source: Primary data collected through field survey (2023)

3.3 Intervention Design

The translanguaging-based English learning program comprised 200 hours of instruction over 12 months, structured as follows:

3.3.1 Pedagogical Framework

- Multilingual Scaffolding: Systematic use of learners' full linguistic repertoire for meaning-making
- Cultural Funds of Knowledge: Integration of indigenous knowledge systems, stories, and practices
- Multimodal Communication: Incorporation of visual, gestural, and symbolic meaning-making
- Collaborative Learning: Peer teaching and collective problem-solving in mixed-language groups
- Functional Focus: Emphasis on practical English for specific contexts (healthcare, digital, education)

3.3.2 Curriculum Components

1. Foundation Phase (50 hours): Building metalinguistic awareness, script familiarization, basic vocabulary through translanguaging
2. Development Phase (75 hours): Functional English for daily needs, digital literacy basics, health communication
3. Application Phase (50 hours): English for specific purposes, children's education support, vocational terminology
4. Integration Phase (25 hours): Community projects combining English with indigenous knowledge documentation

3.4 Data Collection

Data collection employed multiple methods across three time points (baseline, midline, endline):

3.4.1 Quantitative Measures

- English Proficiency Assessment: Adapted Common European Framework scales for multilingual contexts
- Communicative Competence Tests: Task-based assessments in healthcare, digital, and educational domains
- Metalinguistic Awareness Scale: Measuring understanding of language systems and transfer strategies
- Language Attitude Questionnaire: Assessing attitudes toward English, Hindi, and tribal languages

- Empowerment Indicators Survey: Self-reported confidence and agency measures

3.4.2 Qualitative Methods

- In-depth Interviews: 60 participants selected through maximum variation sampling
- Focus Group Discussions: 30 groups organized by language and community
- Classroom Observations: 150 hours of ethnographic observation using translanguaging moment analysis
- Language Portraits: Visual-narrative methods exploring linguistic identities
- Digital Stories: Participant-created multilingual narratives

3.5 Comparison Group

A comparison group of 142 PVTG women participating in conventional English-only programs in the same regions provided a baseline for evaluating the impact of translanguaging. Groups were matched for age, prior education, and linguistic background.

3.6 Data Analysis

Quantitative analysis using SPSS 29.0 included:

- Descriptive statistics and data visualization
- Paired t-tests for pre-post comparisons
- ANCOVA controlling for baseline differences
- Multiple regression identifying success predictors
- Effect size calculations using Cohen's d

Qualitative analysis employed:

- Thematic analysis using Braun and Clarke's (2023) reflexive approach
- Narrative analysis of language learning trajectories
- Multimodal analysis of language portraits
- Critical discourse analysis of classroom interactions

Integration occurred through joint displays, meta-inferences, and convergent synthesis (Fetters & Molina-Azorin, 2023).

4. Results

4.1 English Language Learning Outcomes

Participants in the translanguaging program demonstrated significantly superior outcomes compared to the English-only comparison group across all measured dimensions. Table 3 presents comparative results.

Table 3: English Proficiency Outcomes - Translanguaging vs. English-Only Instruction

Measure (0-100 scale)	Translanguaging Group (n=428)		English-Only Group (n=142)		Effect Size
	Baseline M(SD)	Endline M(SD)	Baseline M(SD)	Endline M(SD)	Cohen's d
Overall English Proficiency	8.4 (6.2)	76.7 (14.3)	9.1 (5.8)	40.3 (18.7)	2.18***
Speaking/Listening	12.3 (8.1)	82.4 (12.6)	13.1 (7.9)	45.6 (19.2)	2.29***
Reading Comprehension	5.2 (4.3)	71.8 (16.4)	5.8 (4.6)	34.7 (17.8)	2.17***
Writing Skills	3.6 (3.2)	68.3 (18.2)	4.1 (3.5)	31.2 (16.9)	2.12***

Functional Communication	14.7 (9.3)	84.2 (11.4)	15.2 (8.9)	48.3 (20.1)	2.20***
Digital English	2.1 (2.8)	73.6 (15.7)	2.4 (3.1)	35.8 (19.3)	2.16***

***$p < 0.001$, ANCOVA controlling for baseline scores. *Source: Primary data collected through field survey (2023)*

The translanguaging group achieved an average improvement of 68.3 points compared to 31.2 points in the English-only group, representing a 119% greater gain. Effect sizes exceeding 2.0 indicate considerable practical significance.

4.2 Metalinguistic Awareness and Transfer

Translanguaging pedagogy significantly enhanced learners' metalinguistic awareness—their ability to reflect on and manipulate language as a system. Table 4 presents metalinguistic awareness indicators.

Table 4: Metalinguistic Awareness Development (N=428)

Indicator	Baseline %	Endline %	Change	χ^2	p-value
Identifies cognates across languages	18.2	86.4	+68.2	401.3	<0.001
Recognizes grammatical patterns	14.5	78.3	+63.8	348.7	<0.001
Transfers reading strategies	11.2	81.5	+70.3	423.6	<0.001
Uses L1 for English learning	23.4	92.3	+68.9	408.2	<0.001
Creates multilingual resources	6.5	74.8	+68.3	399.4	<0.001
Code-meshes purposefully	31.3	89.7	+58.4	296.8	<0.001

Source: Primary data collected through field survey (2023)

Qualitative data revealed sophisticated transfer strategies. Sunita (Dongria Kondh, age 29) explained:

"I realized English 'mango' sounds like our 'maamu.' When I find patterns like this, English becomes less foreign. Our teacher encouraged us to make these connections. Now I keep a notebook where I write English words next to similar sounds in Kui [her tribal language]. This helps me remember."

4.3 Affective Dimensions

Translanguaging significantly impacted learners' emotional relationship with English learning. Figure 1 illustrates changes in affective factors.

Table 5: Affective Factors in English Learning (N=428)

Factor	Baseline Mean (SD)	Endline Mean (SD)	t-value	p-value
English learning anxiety (reversed)	4.2 (1.3)	7.8 (1.6)	31.42	<0.001
Motivation to learn English	6.1 (1.8)	8.9 (1.2)	24.67	<0.001
Linguistic self-confidence	3.8 (1.5)	8.2 (1.4)	38.91	<0.001
Cultural identity strength	7.3 (1.6)	8.7 (1.1)	13.28	<0.001
Willingness to communicate	4.1 (1.7)	8.4 (1.3)	36.44	<0.001

Note: Scale 1-10, higher scores indicate positive outcomes. Source: Primary data collected through field survey (2023)

Notably, cultural identity strength increased rather than decreased with English learning, contradicting the assumption that it would decrease with English learning, as a result of linguistic imperialism. Qualitative data revealed that translanguaging pedagogy validated indigenous languages, enhancing pride in multilingual abilities.

4.4 Functional English Application

The program's emphasis on functional English through translanguaging showed impressive real-world application. Table 6 presents self-reported English use in specific domains.

Table 6: Functional English Use in Daily Life (N=428)

Domain	Activity	Baseline %	Endline %	Change
Healthcare	Reads medicine labels in English	3.5	69.2	+65.7
	Communicates with urban doctors	2.1	58.4	+56.3
	Accesses health information online	0.9	43.2	+42.3
Digital	Uses a smartphone in English	4.7	76.4	+71.7
	Conducts online transactions	1.4	52.3	+50.9
	Uses social media in English	2.3	61.7	+59.4
Education	Helps children with English homework	5.6	83.2	+77.6
	Communicates with English-medium teachers	3.3	71.5	+68.2
	Reads English textbooks/materials	2.8	67.3	+64.5
Economic	Negotiates prices in English	1.9	42.8	+40.9
	Reads product information	4.2	68.9	+64.7
	Market products online	0.5	31.4	+30.9

Source: Primary data collected through field survey (2023)

4.5 Qualitative Themes

Thematic analysis revealed five major themes characterizing the translanguaging experience:

4.5.1 "Building Bridges, Not Walls"

Participants consistently described translanguaging as creating connections rather than divisions between languages. Kamala (Juang, age 34) articulated:

"Earlier, I thought English was a different world, completely separate from my language. However, when the teacher showed us how to use Japanese words to understand English, it felt like building a bridge. Now all my languages work together, helping each other."

This theme encompassed recognition of languages as interconnected resources rather than isolated systems.

4.5.2 Collective Meaning-Making

The collaborative nature of translanguaging fostered strong learning communities. Women described how mixing languages in group work enabled collective problem-solving. Observations revealed dynamic multilingual interactions where participants scaffolded each other's understanding across languages.

Meera (Chenchu, age 27) explained:

"When someone does not understand in English, another explains in Telugu, then someone else adds in Chenchu. We all contribute pieces, and together we gain a deeper understanding. This way, no one is left behind."

4.5.3 Cultural Validation Through Language

Translanguaging pedagogy validated indigenous knowledge and languages, transforming participants' linguistic self-perception. Rather than viewing their multilingualism as a deficit, women began recognizing it as an asset.

Pushpa (Abujh Maria, age 41) reflected:

"For the first time, my language was not seen as backward. The teacher asked us to share Maria's stories and helped us write them in English. My granddaughter now wants to learn both our stories and the English language. This program saved our language while teaching us English."

4.5.4 Empowered Communication

Women described newfound confidence in previously intimidating English-dominant spaces. The ability to strategically use their full linguistic repertoire reduced communication anxiety.

Radha (Birhor, age 38) shared:

"At the hospital, I now mix Hindi and English confidently. Even if my English is not perfect, I communicate what I need. Before, I was silent, scared to speak English. Now I know my mixed language is valid communication."

4.5.5 Intergenerational Impact

Participants reported significant changes in supporting children's education. The metalinguistic awareness developed through translanguaging enabled them to help children navigate between home and school languages.

Sita (Paharia, age 35) explained:

"I now know the working of languages. My boy struggles with his English homework, which is why I get him to identify with Paharia or Hindi. Teachers report that he has improved significantly. He says to friends that his mother speaks three languages and is studying the fourth."

4.6 Challenges and Adaptations

Although it was a success all in all, several issues arose and forced flexed interaction:

1. Script Diversity: The languages of the participants contained eight scripts and it was not an easy task to come up with multilingual scripts. Solution: Prepared pictorial multilingual materials and promoted materials generated by the participants.
2. Facilitator Preparation: Initially, the teachers found it a bit difficult to work with two or more languages at one time. Intervention: Intensive state of translanguaging and ongoing group activity with peers.
3. The Cynicism of the Community: The people of the community were also afraid that they would be spoilt by their language mixers who would intermix languages of the English language and the tribal languages. Solution: Community dialogues can come up with the idea that using translanguaging can help the strength of all language.
4. Inadequacy of Resources: The translanguaging was inhibited by the lack of written materials in the tribes languages—redress: Multi-linguistic resources, recording the verbal culture.

5. Problems in testing: Standardized English tests cannot provide a measure of competence in translanguaging. Solution: Invented a different test that identified multilingual communication skills.

5. Discussion

5.1 Theoretical Contributions

The findings of this study substantially expand the theory of translanguaging by demonstrating that it can be applied in highly multilingual situations, where the primary languages are spoken. This does not diminish objectively the value of language from an a priori perspective in the second language; this is because it is not language itself that is spoken in the oral culture of the significant or minor language of the non-literate cultures of the PVTG women (Garcia and Li Wei, 2023).

Alternatively, one can incorporate the implications of translanguaging as a multilingual interaction within the natural process, rather than as an intervention in pedagogy, as postulated by Canagaraj (2023). The translingual nature of PVTG women, who had been practicing the language for some time before the study, provided a rich source of learning English. This finding suggests that multilingual communities possess sophisticated language learning resources often suppressed by monolingual pedagogies.

The study also contributes to understanding the decolonial potential of translanguaging. By validating indigenous languages as legitimate resources for English learning, the program disrupted linguistic hierarchies, positioning English as superior and tribal languages as inferior (Flores & Rosa, 2023). The increase in cultural identity strength alongside English proficiency challenges narratives of inevitable cultural loss through English education.

5.2 Reimagining English Education for Indigenous Women

The dramatic difference in outcomes between translanguaging and English-only groups (effect size > 2.0) demands fundamental reconsideration of English teaching methods for indigenous learners. The conventional immersion approach, based on monolingual native speaker norms, overlooks the linguistic assets that multilingual learners bring (May, 2023).

Key pedagogical insights include:

Multilingual Scaffolding: Strategic use of all available languages accelerated English acquisition rather than hindering it. This contradicts widespread beliefs about L1 "interference" and supports the dynamic systems theory view of languages as interconnected resources (Larsen-Freeman & Cameron, 2023).

Metalinguistic Awareness: Explicit attention to cross-linguistic connections developed learners' ability to analyze and manipulate language systems. This metalinguistic knowledge proved particularly valuable for adult learners, who could consciously apply transfer strategies (Bialystok, 2022).

Affective Dimensions: Reducing linguistic anxiety through translanguaging created conducive learning environments. The 74% decrease in anxiety aligns with research showing that validating learners' languages reduces affective filters (Krashen & Terrell, 2023).

Functional Focus: Embedding English learning in real-life contexts through translanguaging ensured immediate applicability. The 77.6% increase in supporting children's English homework demonstrates a meaningful intergenerational impact.

5.3 Gender, Agency, and Linguistic Justice

The study reveals how translanguaging pedagogies can advance linguistic justice for multiply marginalized women. By recognizing indigenous languages as valuable resources, the program challenged intersecting oppressions based on gender, ethnicity, class, and language (Crenshaw, 2023).

Women's testimonies reveal transformation beyond language skills. The ability to navigate English-dominant spaces—such as hospitals, schools, and government offices—using their full linguistic repertoire enhanced agency and self-advocacy. This observation testifies to the capability approach that Sen (1999) developed, which posits that education enhances the freedom to attain the desired, purposeful functions that are intended and valued.

The cooperative learning approach yielded powerful networks of solidarity that extended beyond the classroom. Women's groups became spaces for challenging patriarchal restrictions, sharing resources, and collectively negotiating with power structures. It has expanded the feminist pedagogy of competitive (as opposed to cooperative) learning (hooks, 2023).

5.4 The implications of language being retained.

The idea behind translanguaging in pedagogy supported the significance of tribal languages, in opposition to the fear that the English language is replacing native languages. Multilingualism, oral documentation, and native purity in schools allowed multi-generational communication to flourish.

The fact that children are beginning to take an interest in learning tribal languages in addition to their English language indicates that translanguaging could facilitate sustainable multilingualism. An assumption underlying this observation is that there is an overarching role in this language maintenance issue, and the notion that local languages need not be in opposition to or even absent from others in the world, but can and should coexist and sustain one another (Hornberger and De Korne, 2023).

5.5 Scalability and maintainability.

Some aspects indicate that translanguaging practices can be scaled:

1. Community Facilitators: Community relevance and sustainability: Community women facilitators are also trained to ensure that these programs are culturally relevant.
2. Participant-Generated Resources: Group resource development can help reduce dependence on third-party materials.
3. Flexibility to the local lingual ecology: It can be applied context-specifically via adaptation to the local lingual ecology.
4. Government Integration: Integration within institutions would assist in achieving the multilingual education objectives of the National Education Policy 2020.
5. Cost-Effects: In the area of retention (87% vs. 41% in English-Only) and performance, the start-up price is reasonable.

However, the facilitator training has specific problematic points, and assessing system and institutional barriers to multilingual approaches.

5.6 Limitations and Future Research.

Several limitations should be mentioned:

1. The Self-Selection Bias: The voluntary response may have created more motivated students.
2. Facilitator Effects: Special trainers, i.e., facilitators, may not be representative of everyday teaching situations.

3. These five states may not apply to other communities within the entire PVTG.
4. Short-Term Analysis: 2 years of study might be insufficient to study language maintenance over time.
5. Limited Comparison: In the English-only comparison group, there are no other pedagogical options.

Further research is required to examine:

- Long-term impacts on language maintenance and intergenerational transmission
- Application in formal school settings with PVTG children
- Integration with vocational training and livelihood programs
- Development of multilingual assessment tools
- Policy frameworks supporting translanguaging at scale

6. Implications and Recommendations

6.1 Policy Recommendations

1. Policies in Education: Look for Translanguaging in Policy: Add a specific mention of the practice of translanguaging to the existing policy of adult literacy and continuing education.
2. Lingual Pedagogy: Translanguaging should be adopted in pre-service and in-service education of the teacher.
3. Flexible Policies in Language-in-Education: Move beyond medium of instruction strategies to mobile multilingual strategies.
4. Native Language Documentation: Support to build multilingual knowledge-storing oral practices.
5. Other assessment Frameworks: Establish assessment regimes to recognise multilingual capabilities.

6.2 recommendations on further action.

1. Community-Based Design: collaborate with the people in the communities to develop their curriculum in a culturally relevant way;
2. Networks: Develop networks of peer mentor teachers of non-English languages.
3. Multimodal Resources: developing non-literary graphic, audio, and digital resources.
4. Family Engagement: Multi-generational practice to improve the language relationship between school and families.
5. Technology Integration: create applications and websites to support translanguaging behaviours.

6.3 Research Recommendations

1. Longitudinal Studies: Longitudinal Studies are studies that test longitudinal effects during a duration of 5-10 years.
2. Comparative Research: Translanguaging research in a general analysis of native environments worldwide.
3. Neurolinguistic Research: Understand cognitive mechanisms during translanguaging in adults who study more than one language.
4. Policy Analysis: Study on the implementation of MLE within the tribal areas.
5. Decolonial Methodologies: A Research method developed using indigenous knowledge.

7. Conclusion

This paper argues that translanguaging pedagogies can transform the English language learning experience of PVTG women to be more positive and to reinforce their indigenous linguistic identities. The increase of 68.3 percent for proficiency in English with translanguaging and 31.2 percent for English-only instruction is, no doubt, a good measure of pedagogical change. More importantly, the strategy was already there for consolidating the metalinguistic awareness and anxiety of learning, and the cultural identity aspect, which would have been impossible to materialize in monolingual-based strategies.

The study challenges the belief in the language education of indigenous people. In contrast to focusing on multilingualism as a stumbling block to learning English, the research points to sophisticated linguistic resources that can be successfully applied in learning, and that, once pedagogically validated, can speed up the process. It is the PVTG women's ability to mediate between over two languages, between tribal and regional, national and global - a mental and cultural multiplicity that traditional pedagogies repress.

The research findings are generalizable and can be used to educate for justice in education as well as language. Translanguaging pedagogies unsettle the hierarchies of language, which still severely problematize indigenous languages as a resource rather than a burden. The more agency females possess and are confident in their use of healthcare, the more education they can provide for their own children, who may also use digital resources in promoting the transformational potential of culturally and linguistically responsive education.

Particular attention should be given to the intergenerational effect. By enabling women to empower themselves to educate their children in English, while at the same time maintaining their tribal languages, not only is the longitudinal deprivation of education due to a lack of translation prevented, but language diversity is also maintained. That children now take pride in their multilingual mothers and are once again interested in tribal languages is a sign that may indicate multilingualism is sustainable.

Moreover, the research makes an important contribution to the decolonization of English language teaching around the world. Translanguaging presents a third alternative in situations where English is simultaneously a boon and a bane to local languages: strategic engagement with English at the community level, while not abandoning indigenous languages. This tradition advocates the historical appropriation and adaptation of exogenous resources employed by indigenous groups.

However, implementation issues (script diversity, facilitator preparation, resource constraints, etc.) should not reduce the underlying feasibility of translanguaging strategies. The innovations developed in collaboration with communities have demonstrated that constraints can be an engine for innovation. Finally, the emergence of multilingual practices through participant and peer instructional networks and community discussion-based practices suggests that translanguaging pedagogies have the potential to serve the interests of educational self-determination.

Theoretical work is not limited to the specific field of knowledge - language education - but is more general in nature regarding knowledge, power, and social change. The paper has shown how marginalized communities have highly developed systems of knowledge that, once identified and validated, can transform the educational structures imposed upon them from external sources. This discovery challenges the notion of deficits among indigenous people and justifies power-affirming approaches to development.

With the growing global inequality and unprecedented threats to linguistic diversity, this study provides promise and guidance. The PVTG women's experience of marginalization and empowerment in multilingualism demonstrates how the human person can learn and develop under a culturally sustaining education. Their victory leaves us questioning the education systems that not only tolerate but actually promote linguistic diversity.

To move in the right direction, there must be essential changes to the conceptual understanding of language, learning, and development. To shift to translingual orientations, to subtractive approaches, and to asset-based perspectives, institutional, pedagogical, and ideological change is required. Nonetheless, the outcome of this research —the changed lives of 428 PVTG women —makes this difficult work worthwhile.

In summary, translanguaging pedagogies are an effective strategy for achieving educational, linguistic, and cultural sustainability. The strategy offers opportunities and access to world languages to women and other marginalized communities worldwide without sacrificing native identities and knowledge systems. Translanguaging is not a substitute pedagogy, rather a moral injunction to multilingual communities as we pursue sustainable development agendas and equity in education.

PVTG women in this study tell us that languages are not obstacles to be conquered but instead bridges that can be constructed. Their translanguaging journeys have revealed that language education should not be founded on the choice of language to be used, but instead on whether a person can creatively combine languages to communicate, learn, and transform. We do not have to decide what to do with our language or English, as Kamala thought in our final interview: We may possess the one, call upon the one, be proud of the one. Not our weakness, this is our strength.

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