

APPENDICES

Appendix 1. List of Questions

Interview with professional therapist		
Date : 14 Oktober 2025 Place : RS Haji Jawa		
Interviewer		Participant
Name : Almira Rizky Asmaria Nim : 2329081025		Name : Ibu Nindy
Questions relate to the study		
The Cause & Solution for Bilingual Child with Speech Delay		
NO.	Question	Answer
1	Apakah keterlambatan bicara pada anak dalam penelitian ini dipengaruhi oleh penggunaan dua bahasa	Pertama, gangguan yang ditunjukkan adalah gangguan artikulasi. Kedua adalah fenomena bingung dalam penggunaan bahasa.
2	Apakah ada faktor hormonal ?	Faktor hormonal tidak mempengaruhi, hanya faktor lingkungan.
3	Apakah ada tanda-tanda autisme ?	Sangat tidak ada. Dia hanya bingung dalam menggunakan bahasa. Untuk indikasi autisme, sangat tidak terlihat.
4	Apakah keterlambatan bahasa mempengaruhi tingkat emosional ?	Bisa jadi namun, kurangnya dukungan atau bimbingan dari orang tua dapat mempengaruhi perkembangan anak
5	Apakah ada respon positif selama terapi ?	Iya menunjukkan respon positif setelah pertemuan ke-4.
6	Apakah posisi dan kondisi gigi mempengaruhi keterlambatan bicara ?	Kalau kesehatan mulut mungkin larinya ke artikulasi. Yang penting bagian oral nya ga ada masalah, ga ada kelumpuhan atau kelemahan pada otot -otot oral Seperti dia, drooling, atau ngiler kan ada tuh beberapa

		usia harusnya fase oralnya udah selesai, dia masih memasukkan benda -benda atau tangannya di oral. Ngempeng juga atau ngedot yang berlebihan juga mengakibatkan maloklusi dan bisa mempengaruhi bicaranya.
7	Apakah ada penolakan saat terapi ?	11. Cek pendengaran 12. Cek fokus 13. Cek oral nya lidah, rahang, mulut, gigi apakah ada kelainan. 14. Cek pola makannya apakah dikunyah atau di kemuh. 15. Cek bahasanya.
8	Apakah ada penolakan saat terapi	Ada, saat 1-2 kali pertemuan karena bertemu dengan orang asing, dan hanya mau dengan 1 orang.
9	Apakah tindakan nyata sebagai orang tua yang harus dilakukan untuk anak bisa belajar bilingual tanpa mengalami speech delay ? atau speech delay itu memang bagian dari bilingual ?	Bilingual itu bisa lakukan, ketika anak itu sudah bisa mencapai komunikasi yang baik, dalam arti bahasa ibu, dalam bahasa ibu itu kita lihat mayoritasnya ini apa. Bahasa yang dipakai dalam lingkungannya.
10	Bahasa mana yang harus didahulukan ?	Dilihat dari kebutuhan dan lingkungan yang diminta memakai bahasa apa
11	Apakah penyebab utamanya adalah screen time yang tidak terbatas dan penggunaan mix language ?	Betul, mix language bisa membuat kebingungan dan screen time bisa membuat komunikasi hanya 1 arah.
12	Secara ilmiah apakah memperkenalkan dua bahasa sejak lahir secara ilmiah terbukti memperlambat kemampuan berbicara ?	Pasti ada sedikit banyak. Hal tersebut ada sedikit banyak mempengaruhi komunikasi bahasa dan bicaranya pasti. Jadi anak kalau ngomong delay itu gak hanya delay aja, bingung bahasa itu juga seperti itu jadi kita lihat ini, kalau anak delay itu kan tidak ada gangguan apa-apa. Dalam arti itu gangguan yang misalnya gangguan di neuronya. gangguan di pendengarannya. dia gak ada

		masalah, define motornya dia tidak masalah, berarti dia murni speech delay
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Appendix 2. Interview Transcript

R	Selamat siang Ibu Nindy. Perkenalkan, saya Almira Rizkyasmaria, saya researcher dari Universitas Pendidikan Ganesha Bali. Saat ini saya melakukan wawancara untuk mendapatkan data terkait terapi yang dilakukan, yang diberikan kepada anak (nama anak disembunyikan) sebagai pendukung tesis penelitian saya yang berjudul Language Comprehension and Expression in Bilingual Child with Speech Delay. Mohon terima kasih sediakan waktunya. Saya akan membagikan beberapa pertanyaan, mungkin sekitar 15 pertanyaan. Baik saya mulai Ibu untuk pertanyaan pertama. Apakah keterlambatan bicara pada anak dalam penelitian ini dipengaruhi oleh penggunaan dua bahasa ?
T	Dari awal (nama anak disembunyikan) datang memang ada gangguan yang paling terlihat adalah gangguan artikulasi. Bahasa pemahamannya dia oke secara pemahaman bahasa, reseptif, dia baik cuman saat penyampaian atau bahasa verbalnya atau ekspresifnya itu dia mengalami kendala seperti bingung mau menyampaikan apa yang harus diucapkan, misalnya kita tanya ‘ kita punya apel nih’, ‘warna apa ya apelnya. Diantara dia itu mau menyampaikan, mungkin bisa merah, tapi yang keluar itu red. Apa yang sering dipakai itu yang digunakan. Dia kadang -kadang mau ngucapin red takut salah karena saya tanyanya bahasa Indonesia. Ya jadi kita pancing dulu bahasanya, kita stimulasi dulu. Sebenarnya dia tau, tapi dia antara bingung bahasanya. Sama dengan orang dewasa, kita mungkin paham orang berbahasa Inggris Tapi saat kita mulai ngomong bahasa Inggris, kita takut salah nih, jadi kayak maju mundur ngomongnya juga hanya sebatas. Hal seperti itu sering terjadi pada anak bilingual dan semua itu dikembalikan ke lingkungan juga. Mungkin kalau di lingkungan dalam arti dalam satu rumah misalnya dia ada ayah, ibu, mungkin selain ayah, ibu ada neneknya, ada ART. Apakah semua itu menggunakan Bahasa Inggris kayak gitu dan dia diketemukan dengan dunia luar misalnya. Apa ada yang pake bahasa Jawa atau teman lingkungannya Bahasa Indonesia dan sebagainya itu juga ada beberapa anak yang mengalami bingung bahasa seperti itu dan itu bingung bahasa biasanya itu awal dari speech delay kayak gitu sebenarnya bisa cuman tidak sesuai konteks usianya, milestone itu kelewat gitu loh mah jadi yang harusnya biasanya kalau bahasa Indonesia atau satu bahasa yang dipakai bahasa ibu dalam arti bahasa yang digunakan sehari -hari lebih banyak kayak gitu dalam arti bahasa Indonesia nya lebih banyak daripada bahasa Inggris itu anak -anak biasanya cenderung lebih cepat kalau tidak ada gangguan bahasa sejarah seperti itu
R	Apakah ada faktor hormonal ?
T	Kalau faktor hormonal tidak, itu hanya lingkungan. Bisa lakukan stimulasi terus dari kemampuan semua tumbuh kembangnya bukan cuma

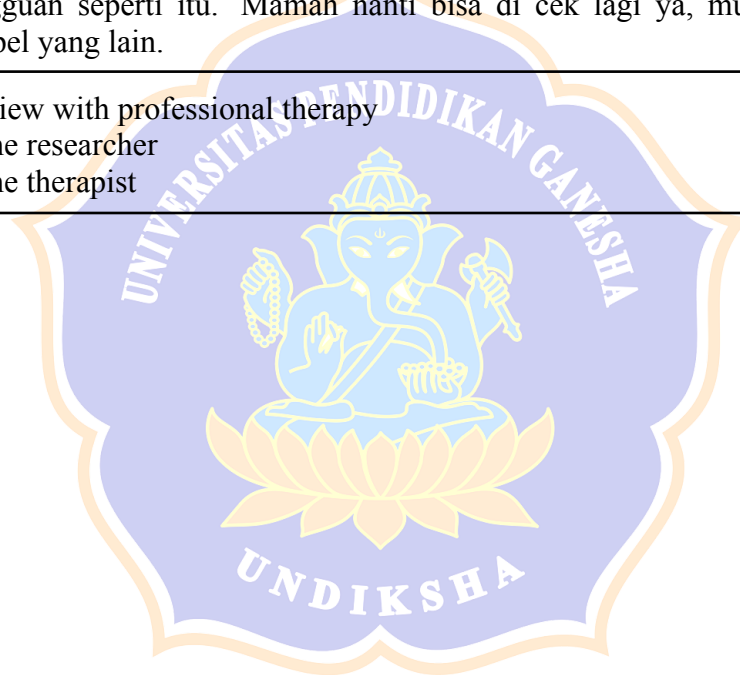
	hanya bahasa. Ada simulasi motorik juga non-motori. Dari situ dilihat apakah dia dulunya terganggu tidak. Kita kasih mainan itu kan sesuai usianya, misalnya dia usia 9 bulan, ya kita kasih mainan 9 bulan. Misalnya dia tidak tau ini cara mainnya, hanya dilempar aja, atau hanya diketuk -ketuk aja, seperti apa sih donat susun itu, dia tidak tahu mengambilnya. Dia hanya ini bingung seperti itu nah itu harusnya itu udah mulai awareness orang tua atau keluarga yang ada disekelilingnya. Ini saya pribadi ya. Jadi melihat dunia seperti ini, saya tuh mainan nya banyak di rumah. Tapi saya tahu mainan banyak itu sesuai usianya. Jadi misalnya matching gitu ya, matching warna, matching bentuk, menyamakan gitu loh misalnya. Iya, anakku kok gak bisa ya, masih bingung ya. Berarti kan itu aku ikut serta dalam berperan untuk kebersamaan, ya komunikasi dua arah, ya mengarahkan. Nah itu fungsinya untuk bermain bersama. Itu quality time -nya buat anak juga menstimulasi ngomong, peran ayah juga sangat penting saat itu.
R	Jadi faktor hormonal itu sama sekali nggak mempengaruhi apa -apa?
T	Nggak sih, nggak ada kecuali kalau itu faktor keturunannya itu misalnya kayak bibir sumbing, terus pelat, cedal. Itu karena kan dia mendengarnya juga, jadi jelas karena dia mendengarnya misalnya R -nya Rohman dan papanya cedal. Papanya terbiasa mengucapkan R dengan tidak sempurna. Anak -anak yang mengalami gangguan artikulasi khususnya pada fonasi R, kayak gitu Masih pelo kalau bahasa sekarang gitu
R	Apakah (nama ada tidak disebutkan) ada indikasi autisme ?
T	Bukan, sangat bukan. Dia hanya kalau saya lihat tuh dia keterlambatan. Sekarang kan pasti dia sudah mendapatkan treatment yang baik dengan apa ya, kita kerjasama kan dari pihak orang tua, pihak terapis, pihak mungkin sekarang sekolah pastinya juga akan menimbulkan anak komunikasinya secara baik, kayak gitu. Karena dia belajar dari lingkungan -lingkungan tersebut. juga nanti mama liat progresnya kalo udah di daycare secara sosial emosionalnya seperti apa. Apa dia semakin percaya diri, atau kalau dulu awal -awal datang kan pasti agak takut karena kan memang di luar zona nyamannya. dia kalo di rumah kan sama ayah mungkin karena di rumah kan kerja dari rumah ya dulu ya jadi lebih sering kan waktunya bertemu ketemu tempat baru atau orang baru pasti itu sangat wajar sih kalo anak apa sih takut atau panik kayak gitu sepertinya cuma dengan apa ya kepercayaannya anak terus terapi mungkin seminggu dua kali tuh bisa membantu juga dia lebih mandiri dia keluar dari zona nyaman nya kayak gitu.
R	Jadi kan kita bahas soal sosial atau emosional. Apakah dengan dia punya keterlambatan akan mempengaruhi anak dalam tingkat emotional nya ?

T	Kurangnya dukungan atau bimbingan dari orang tua dapat mempengaruhi perkembangan anak. Ketika anak-anak diberi mainan, terutama yang rumit, mereka seringkali kesulitan menyelesaikannya, sehingga mereka bosan dan akhirnya menyerah, mendorong mereka untuk mencari aktivitas baru. Di era digital, gawai umum digunakan, dan orang tua memilih gawai mana pun yang paling nyaman. Sebagai orang tua, kita menghabiskan waktu berkualitas dengan anak-anak, beralih dari mainan sederhana seperti poster hewan atau transportasi ke pembelajaran yang lebih interaktif, seperti menyebutkan nama hewan. Namun, penggunaan gawai yang berlebihan berdampak pada regulasi emosi anak; mereka mungkin menjadi mudah tersinggung atau mengamuk ketika tidak ada layar. Tidak seperti generasi sebelumnya yang bermain di luar ruangan atau terlibat dalam permainan peran seperti memasak atau permainan jajanan tradisional, anak-anak saat ini memiliki lebih banyak pengalaman berbasis layar. Meskipun gawai dapat mendukung pembelajaran melalui lagu atau program, membatasi waktu gawai dan menyediakan pendampingan sangatlah penting. Anak-anak cenderung cepat bosan saat menonton video atau bermain dengan mainan motorik halus, dan bahkan permainan papan yang dirancang untuk anak-anak berkebutuhan khusus pun memerlukan penggunaan yang hati-hati. Secara keseluruhan, menyeimbangkan penggunaan gadget, menawarkan kegiatan yang mendukung, dan menghabiskan waktu berkualitas sangat penting untuk perkembangan yang sehat.
R	Setelah (nama anak tidak disebutkan) melakukan terapi, apakah dia menunjukkan respon yang positif bu ?
T	Untuk saat ini iya, karena dia benar -benar murni speech delay. Memang untuk 2 -3 kali terapi itu kan awal untuk dia masih tempat baru masih pengenalan juga sama kita, teman -temannya. Waktu awal -awal dia kan hanya minta satu orang, hanya dengan saya dan dengan yang lain belum mau karena masih takut. Disini ada beberapa terapis juga kita harus ayo kasih salam semuanya, jadi kita kasih kepercayaan sama anak, kita kasih ruang dan waktu biar dia percaya juga, oh di dalam itu bermain, di dalam itu gak diapa -apain, mungkin juga kedistruksi anak nangis itu biasa Dia akan paham, secara terapi dia akan paham, dia akan melihat gitu loh, masih adaptasi gitu loh, Ma Setelah berapa kali pertemuan kan, dia lebih enjoy bermain, dia mengambil sendiri mana yang mau dia mainin. Kalau dulu kan hanya menunggu kita, seperti itu. Jadi setelah terapi beberapa minggu itu, dia timbul rasa berani, berani untuk mengekspresikan. Bukan kata -kata yang keluar tapi seperti tindakan kayak menunjuk apa yang di mau. Berarti ini murni keterlambatan.
R	Adakah pengaruh kondisi gigi dan mulut dalam speech delay ?

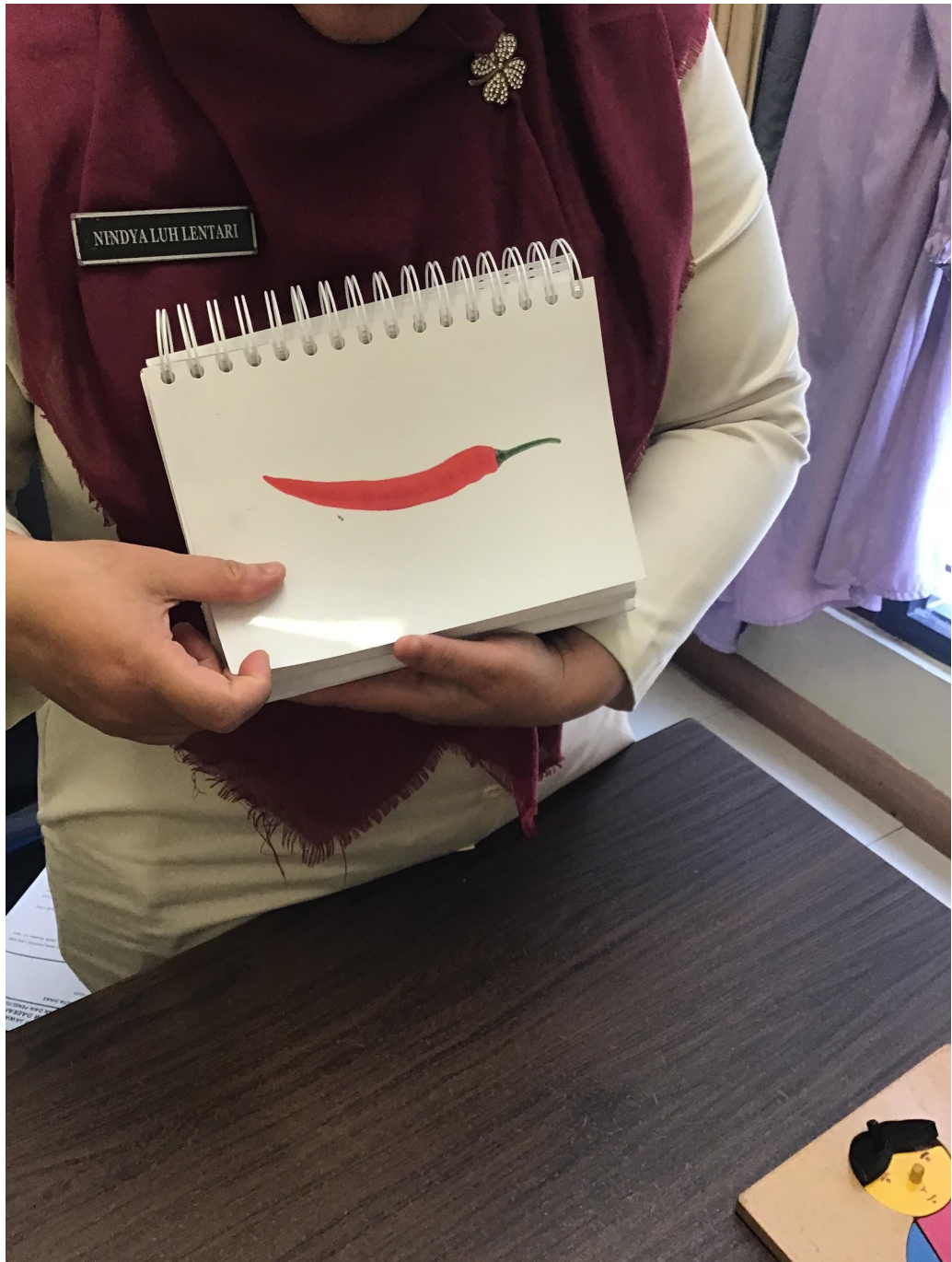
T	Kalau kesehatan mulut mungkin larinya ke artikulasi, misalnya dia bilang T, R, kayak kan harus Beberapa artikulasi ini kan, penempatannya harus sesuai ya, antara lidah, antara B, bilabial, sama T, sama apiko, dental itu kan udah beda. Kita misalnya bilabial kan PBM, gak perlu pake lidah istilahnya, nanti dia ketemu R, harus menggetarkan, H, M, S, dia harus suara seperti itu kan, banyak lah itu fungsi dari apa ya, Gigi sebenarnya juga berpengaruh tapi ga yang banyak sih Yang penting oralnya ga ada masalah, ga ada kelumpuhan atau kelemahan pada otot -otot oral Seperti dia, drooling, atau ngiler kan ada tuh beberapa usia harusnya fase oralnya udah selesai, dia masih memasukkan benda -benda atau tangannya di oral. Ngempeng juga atau ngedot yang berlebihan juga mengakibatkan maloklusi atau giginya agak maju biasanya seperti itu. Itu juga berpengaruh pada artikulasi atau pada bicaranya, khususnya seperti itu. Tapi untuk kalau hanya delay, dia hanya penyerapan atau posisinya oral motor baik, itu nggak ada masalah.
R	Larinya jadi gangguan mulutnya bukan pemahaman?
T	Bukan, itu diadakan oral motor aja, beda sama reseptif Jadi mungkin ke artikulasi mungkin kan dilihat, R. kalau anak masih usia -usia di bawah 5 tahun kalau cedol itu kan masih wajar kan, batasnya itu ya sekitar 6 -7 tahun Kalau masih pelat, nah itu tuh baru apa sih ini, beberapa anak juga gifted atau apa itu biasanya artikulasinya juga Terganggu anak -anak yang IQ -nya di atas rata -rata seperti itu Jadi balik lagi ke topik yang treatment ya
R	Bole dijabarkan Ibu terkait tahapan-tahapan treatment yang diterima oleh (nama anak tidak disebutkan) ?
T	Pertama kita cek adalah pendengarannya. Waktu diwawancara, kita panggil, dia merespon atau tidak,. Selain kita memanggil anak itu dari cek pendengaran, kita juga melihat tingkat fokusnya dia. karena ada kan anak -anak disini yang SD karena dia ADHD, atensi, defisit gitu. Dia pasti gangguannya juga ke fokusnya. Setelah itu kita lihat tahapan oral motornya. Kita cek area oral motor seperti lidah, rahang, mulut, gigi apakah ada kelainan, apakah ada gangguan disitu kalau dia tidak ada. Kita lanjut bagaimana makannya, bagaimana mengunyahnya, seperti itu kita cek juga terus kita bahasanya, kita cek dulu yang gampang mana. Dia kalau ditanya misalnya gak bisa kan, cenderung diam. Dia menunggu instruksi, menunggu pancingan, Padahal itu mungkin sudah bisa tapi tidak berani. Setelah itu, kita cek untuk artikulasi, pemahaman bahasa. Jika ada tahapan yang tidak sesuai, maka kita kejar.
R	Apakah ada penolakan dari (nama anak tidak disebutkan) ?

T	Untuk awal -awal iya. 1-2 kali pertemuan awal karena dia menangis. Itu karena faktor dia takut dia panik kan jauh dari parentsnya, dia di tempat asing bertemu orang baru, dia menaruh kepercayaan itu tapi sejauh ini secara instruksi dia cukup bagus. Waktu diawal dia hanya mau dengan satu terapis, dengan saya. Saya berdiri aja dia udah bingung kayak mau pulang gitu, padahal saya mau mengambil mainan. karena dia udah naruh trust kan misalnya ke saya kayak gitu terus habis itu Saya gerak dikit tuh dia kayak mau ditinggal gitu, nah itu awal -awal seperti itu
R	Apa tindakan nyata sebagai orang tua yang harus dilakukan untuk anak bisa belajar bilingual tanpa mengalami speech delay ? atau speech delay itu memang bagian dari bilingual ?
T	Sebenarnya gini, kalau saya sarankan yang penting adalah bilingual itu bisa kita lakukan, ketika anak itu sudah bisa mencapai komunikasi yang baik, dalam arti bahasa ibu, dalam bahasa ibu itu kita lihat mayoritasnya ini apa. Bahasa yang dipakai dalam lingkungannya. Misalnya mama ini tinggal di luar ini saya punya real ponakan. Orang tuanya kerja di Kemenlu, anaknya itu sulit bahasa Indonesia tapi dia bisa bahasa Inggris. Saat dibawa ke Indonesia, gak bisa komunikasi, gak bisa komunikasi, bingung, telat. Bahkan, ini terjadi pada semua anak. Dirumah kedua orang tua nya pakai bahasa indonesia, di daycare pakai bahasa inggris. Jadi waktu dirumah, delay banget ngomong bahasa indonesianya. Yang jelas bahasa itu digunakan lebih banyak yang harus dikuasai dulu, itu yang lulus dulu baru kita bisa kasih bahasa-bahasa tambahan.
R	Apakah penyebab utamanya adalah screen time yang tidak terbatas dan penggunaan mix language ?
T	Betul, mix language bisa membuat kebingungan dan screen time bisa membuat komunikasi hanya 1 arah. mungkin ini yang juga dia jadi bingung komunikasi dua arahnya yang sangat kurang, bahkan menyebut vocab saja kurang misalnya mau menyebut mami atau apa. Keponakan saya itu bahasa umumnya adalah english, di rumah juga pakai english, papanya mau tidur, dia suruh story juga pakai, bahasa inggris. bahasa indonesia itu kayak bumbu kecil, tapi dia paham ya. Papanya selalu berkata dua bahasa dalam satu kalimat seperti 'what do you want to eat ?' 'kamu mau makan apa ?' jadi biar kata-kata makan dan eat itu mempunyai makna yang sama dan gak awam-awam banget
R	Jadi bu, kita kuasai dulu satu bahasa lalu kasih bahasa lainnya setelah itu ?
T	Dilihat dari kebutuhan dan lingkungan yang diminta memakai bahasa apa

R	Secara ilmiah apakah memperkenalkan dua bahasa sejak lahir secara ilmiah terbukti memperlambat kemampuan berbicara ?
T	Pasti ada sedikit banyak. Hal tersebut ada sedikit banyak mempengaruhi komunikasi bahasa dan bicaranya pasti. Jadi anak kalau ngomong delay itu gak hanya delay aja, bingung bahasa itu juga seperti itu jadi kita lihat ini, kalau anak delay itu kan tidak ada gangguan apa-apa. Dalam arti itu gangguan yang misalnya gangguan di neuronya. gangguan di pendengarannya. dia gak ada masalah, define motornya dia tidak masalah, berarti dia murni speech delay. Tapi kalau dia ada gangguan setelah melakukan terapi meskipun dia bahasa Inggris dan sebagainya. Dia speech disorder, gangguan ini bukan keterlambatan lagi. seperti itu ada batas-batas usianya juga. Dua tahun kok dia belum bisa, belum ada keluar yang bermakna, ini bukan cuman speech delay, ini ada gangguan seperti itu. Mamah nanti bisa di cek lagi ya, mungkin dari sampel yang lain.
First interview with professional therapy R = the researcher T = the therapist	



Appendix 3. Supporting Elements of Therapy



Appendix 3. Supporting Elements of Therapy (continuance)



Appendix 3. Supporting Elements of Therapy (continuance)



Appendix 4. Daily Logbook of Bunga

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
12-Sep-2024	At the bed. Maid moping the floor	Mom	Nga breast feed at the bed, she wants to go outside of the bed. then, Mom said. Nga dangerous. stay here. Mbak tutut mopping the floor	She goes back to mom and doesn't get out of the bed.	She understands the meaning of dangerous.
13-Sep-2024	Free time	Bapak	"Nga grab the ipad and gives to her father	peh peh	HP mean cellphone, she wants to see video in youtube
14-Sep-2024	wacthing while eating	IBU	*Nga Ak Ak, open your mouth and eating this food	No Ba	No Ibu, she didn't want to eat
				No Ma	No Ibu, she didn't want to eat
			*Nga wacth her feed and singing, copying the video	hu hu	Crying
			*Ibu give Bunga water in the glass	No word, Bunga just grab the glass and drink by herself	It shows the understanding of instruction
	ASI Time		after finish eating, Bunga was to sleep, she pulled Ibu's cloth and pointing the bed.	ci nci	enci means ASI
15-Sep-2024	Findinng Yakult	Grandmot her	*Bunga found Oma's yakult and she was pointing the object	ak ah ak ah kut	she ask her oma to give her yakult because everyone at home hides yakult from Bunga
	Asking Yakult	aunty	*while everyone is not giving her wants, Bunga calling her aunty to fulfill her wants.	ti ti ti	It means aunty, Bunga calling her aunty to help her.
16-Sep-2024	Leisure time	Mom	She can pointing her face in english	Just gesture no word producing	Understanding the word of eyes and hand
			Where are your eyes ? She pointing her eyes	Just gesture no word producing	
			Where is your hand ? she pointing her hand	Just gesture no word producing	

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
17-Sep-2024	Eating	Bu Dewi	said in Indonesia, mana tangan mu ? mana rambutmu ? mana matamu ? mana kaki mu ?	giving answer with pointing her body's part.	Understanding the word of tangan rambut, mata, kaki.
18-Sep-2024	Before Sleep	Mom	Bunga can you show me where is your feed ?	She does not give any reaction	She Does not know the meaning of feed
			How about your hair ?	Same reaction	She Does not know the meaning of 'hair
19-Sep-2024	before eating	Bu Dewi	calling Bunga and she turn her head	no word producing	She knows her name
20-Sep-2024	take a shower	Bu Dewi	said merem	She closed her eyes	understand Indonesia word of eyes and do the instruction
20-Sep-2024	take a shower	Mom	said close your eyes and you mouth	She closed her eyes but she still open her mouth	understand Indonesia word of eyes only and do the instruction only the words that she already know
22-Sep-2024	Before sleep	Mom	close the door	She does the instruction	no word producing. understand the english
22-Sep-2024	Playing	Cousin	singing peek a boo	singing with gesture	Bunga often listen peek a boo song, then she understand the meaning of peek a boo
23-Sep-2024	In the morning	Bapak	Nga ayo mandi	She goes to bathroom	no word producing. understand the word of mandi (indonesia)
23-Sep-2024	after bathing	Bapak	Awas Nga licin, pelan-pelan jalannya	She slows down her speed and grab her father's hand	no word producing. understand the word of awas which mean she need to be carefull (indonesia)
24-Sep-2024	Eatting while playing	Bu Dewi	singing 'bila kau suka hati tepuk tangan'	singing with gesture instruction	Bunga often listen hear bila kau suka hati song, then she understand the meaning of the song and express it with the song
28-Oct-2024		Bapak	Odong-Odong . there is song in Youtube aku naik odong-odong. when bapak see odong-odong in the road. 'Nga odong-odong Nga'	Bunga turn her head . odo	odo means odong-odong

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
29-Oct-2024	in the morning, when eating	Maid	Kasih uangnya ke bapak	give money to her dad	no producing word. Understand the meaning of money and give in Indonesia word
		Maid	lo tangan kanan Nga	She put the money in her right hand	no producing word. Understand the meaning of right hand in Indonesia word
		Bapak	makasi Nga	She screams with ups her hand	She happy with her expression
		Maid	Bunga said 'masama'	ma em ma	producing word 'sama-sama'
30-Oct-2024	moping	Maid	Awas	she stop her walk	Understand the meaning
		Maid	Licin	Slow her step	Understand the meaning
		Maid	Nge pel ayo mundur	She stepped back	Knows that 'ngepel' makes the floor slippery
31-Oct-2024	In the morning	Father	Ayo mandi Bunga	She said no	Understand the meaning in Indonesia
5-Nov-2024	Playing	Bu Dewi	singing ciluk baa	singing with gesture	Bunga also hear ciluk baa song, then she understand the meaning whether in English or Indonesia
	Before Sleeping at the afternoon	Father	Bunga ini keju ayo ak	follow the instruction to open her mouth	understanding the meaning of cheese in Indonesia 'keju'
6-Nov-2024	Play	Mother	Bunga this is cheese	Grab the food	Understanding the meaning of cheese whether it is in Bahasa Indonesia or English
	watching Ipad	Mother	Bunga dont get to close with the screen	No word just action. she sets back her body	Understand the meaning of word
	Watching ipad	Mother	she follows the sound of animal	bek bek	mean Mbek 'goat' the sound of goat
7-Nov-2024	Watching ipad	Mother	she follows the sound of animal	bek bek	mean bebek in english is duck
7-Nov-2024	BU dewi coming	Father	father announce to Bunga that Bu Dewi coming. father said to Indonesia 'Bunga, bu dewi datang'	give the reaction see in the door and she gets fast move her body and see outside of the door.	Bunga understand the meaning of instruction in English by word of 'datang' in Indonesia

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
8-Nov-2024	wacthing ipad	Mother	see the egg of chicken	te te	Mean telur
9-Nov-2024	Went to Playtopia	Senandung & mother	There is an announcement from the Playtopia administration about dancing together at the main room. There is a shark animal in the screen wall. then, Bunga said with pointing the picture sak sak	Sak sak	Mean shark. she often hear baby shark song
10-Nov-2024	Bu dewi	Mother	in the morning mother talk to Bunga that Bu Dewi coming. she gives the repsond of act. she was going out side the room and run into bu Dewi	no word, just did the instruction	Bunga understand the meaning of instruction in English by word of 'someone coming'
11-Nov-2024	Take a shower	Mother	*mother said to Bunga in the morning, 'Bunga let's take a shower together. come with ibu'	no word, just did the instruction	Bunga understand the meaning of instruction in English 'take a shower' and 'come with ibu'
12-Nov-2024	Playing in backyard	Father	Bunga played around with cat	meme	It means meong - cat. the family called cat as meong. then, Bunga called meme as a cat
13-Nov-2024	Before Sleeping	Mother	*Bunga please turn off the light	no word, just do	Bunga understand the instruction in English and do it without giving any verbal reaction
13-Nov-2024	In the Morning	Grandfather	Grandfather calling Bunga from the downstairs *Bunga-Bunga	Ya , Ya	Bunga recognize her grandfather's voice
14-Nov-2024	Before Sleeping	Father	*Bunga ayo matikan lampunya	no word, just do	Bunga understand the instruction in Indonesia and English even in same meaning
14-Nov-2024	Looking her Aunty	Aunty	Adel wants to go to her campus and Bunga sees that her Aunty is preparing. *Khaleea Onti pergi dulu ya ke sekolah. her Aunty said this to Bunga	Ade Ade Ade	Bunga calls her aunty's name while her aunty is already go.
15-Nov-2024	Drinking Water	Mother	Bunga ask her mother for water by pointing the glass in the table	Bunga just sit down	no word producing
15-Nov-2024			*Bunga sits down while		Understanding the

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			you are drinking the water (Ibu said this to Bunga)		instruction in English by her mother's voice
	Playing at Playground	Mother	she was jumping her self into thousand of balls.	ye ye	showing the expression of happiness by word of ye ye and with happy face
16-Nov-2024	After at home		She's crying with sleeping because Ibu forced her to go home.	Na Na	She produces this word when she cries. I don't know what the word doesn't have any specific meaning.
16-Nov-2024	Causin's door cant open	Aunty	*Bunga go to aunty's room to tell the situation of the door and pointing her cousin's door	de' de' de'	It means Adel. the aunty's name
17-Nov-2024	Yakult	Grandmother	*Bunga get yakult from the cousin but Ibu get angry and doesn't want to open the yakult. then she come to her Grandmother	Op Op / kak kak/ Peh peh	those word probably have same meaning such as open or buka (Indonesia)
17-Nov-2024	wakeup her father	Father	*in the morning Bunga could say bapak clearer than before	Bapak	
18-Nov-2024	drinking juice	Mother	*in the morning, mother makes orange juice. Bunga likes orange juice very much. she creaming at her mother to make the juice fast. Then. mother give respon to wait. after finish, mother ask Bunga to sit down while you were drinking	no respon of word, but Bunga sit down . and follow the instruction	understanding the meaning without saying words
20-Nov-2024	playing time	Maid	* in the afternoon she played horses with her baby sister and ask to singing naik delman . she got angry if her baby sister change the song	man	Delman
			* Bunga often say man man when singing together		
20-Nov-2024	Sleeping	Maid	*every evening Bunga need to sleep . the baby sister talk to her in indonesia 'ayo bubuk siang sama ibu di kamar .	mengganggu2	

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			but she just continue playing the horse		
			* Ibu called khaalea and said, Bunga come on sleep at senandung's room (her cousin)	no word, just move the body into her cousin's room	she understand the instruction about sleep at bed room whether it is in Indonesia or English
21-Nov-2024	Calling with Ibu's friends	Afina (Ibu's friend)	*Afina calls Bunga, and ask siapa nama mu ? then Bunga said , uga	Ua	called her self, Bunga
21-Nov-2024	want to see ipad	Mother	*in the night, she grab the ipad and then said aipe aipe with bring the ipad to mother	Aipe Aipe	Ipad / Hp
22-Nov-2024	eating	Mother	*moher ask Bunga for eating while wacthing ipad. she give instruction to Bunga 'take your chair and we watch ipad together" then, she look around the room, there is no chair . then, mother grab the chair outside the room . mother gives additional instruction to sit at the chair. then, Bunga did the insruction	No respon of words.	Bunga understands the meaning of sit down at the chair and take your chair, she looks around the room.
22-Nov-2024	Eating	Mother	*mother said Bunga drink the water in the table	No respond of word but she did the instruction	Understand the meaning of mother's instruction
23-Nov-2024	Going to Restaurant	Mother	Bunga let's change to clothes we are going to eat dimsum	No no with fold her hands, and face and turn her face to the side	She knows to reject the instruction with showing body language .
24-Nov-2024	Eating in the morning	Mother	Mother asked Bunga to eat by herself	she said no with let her hand dismiss my hand	She understand how to reject something that she does not want to do
24-Nov-2024	Eating	Mother	Take your chair	no respond word or action	does not understand in english
		Father	ambil kursimu	respond with action	understand in Indonesia
25-Nov-2024	Play in the morning	Maid	Playing with horse and sing naik delman	grab her horse and play it	understanding the meaning of horse in Indonesia 'kuda'
	Eating and playing	Mother	said to Bunga to come on ride your horse	follow the instruction	Understanding the meaning of horse in

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
					English and Indonesia
25-Nov-2024	Sleep	Mother	Ibu ask Bunga to grab the pillow	there is reaction nor word or reaction	did not know the meaning of in English
25-Nov-2024	Sleep	Father	Bapak ask Bunga to grab the pillow in Indonesia 'Bantal'	there is reaction nor word or reaction	did not know the meaning of towel in English
26-Nov-2024	go somewhere	Mother	Playing good with the color of purple	Paw paw	Purple
27-Nov-2024	Before sleep	Father	Ambilin charger	do the instruction	Understand the meaning of indonesia
28-Nov-2024	bed room	Mother	Watching Movie	Bring your chair	She doesn't understand the meaning of chair
28-Nov-2024	bed room	Mother-Father	Watching Movie	Ambil Kursi	pillow
29-Nov-2024	Eating time	Maid	Eating- Bunga ask ipad to her maid	Ipe ipe	Ipad / Hp
29-Nov-2024	After eating time	Maid	There is cat come into dining room.	Meme	Sound of cat is meong. her word of mee means Cat
30-Nov-2024	Before eating	Maid	Bunga's maid ask where is the ipad to Bunga, then she point the drawer in power table	No word producing just comprehend the situation	Understanding the question of 'dimana ipad' as an Indonesian
30-Nov-2024	Before eating	Maid	After finding the ipad, it don't have any battery left. Bunga pointing the charger and socket	No word producing just comprehend the situation	Understanding the context of if the ipad doesn't have battery, it needed to be charged
2-Dec-2024	After Eating	Bapak	Bapak said to Bunga 'gimana suara macan'	Does not know the meaning	
		Mom	how the sound of tiger	Understand tiger but not macan	Sound of tiger ngaung ngaung
3-Dec-2024	after eating	Mom	give instruction put in the rubbish	just do the instruction	No word producing,
4-Dec-2024	while eating	Maid	Bunga ayo ada burung . She run near the window and see the birds coming	She expresses her curiosity by running into nearest place .	No word producing just reaction
5-Dec-2024	In the morning after taking a shower	Mom	mom carry Bunga in the morning and see near the window to wait the birds. mom said to Bunga 'where is the birds Bunga ?'	She does not give any reaction. it seems like she does not know the meaning of birds	No reaction , No producing word
6-Dec-2024	Leisure time	Mom & Oma	Pointing peanut in her grandmother's room.	She expresses her wants by pointing	Pointing goods

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
				goods.	
		Mom & Oma	Mom said to Bunga 'this is peanut'	No reaction of the communication	No reaction
		Mom & Oma	itu nama nya Kacang' Grandmother said	give reaction with pointing the word	understand the meaning but can't produce the words.
7-Dec-2024	Leisure Time	Father, Mom, & Cousin	Mom gives instruction to Bunga for kissing her cousin, Senandung	No word producing just comprehend the situation	Bunga does the instruction even it is not done quickly. she need 3 seconds to do it with father's and cousin's help by giving the gesture.
9-Dec-2024	Leisure time	Mom	Mom gives instruction to Bunga for open the door	No word producing just comprehend the situation	Bunga shows the expression that she can't open the door because the door handle is too high for her. Her face shows of irritated frown
9-Dec-2024	Leisure time	Mom	Mom gives the instruction to Bunga for turn off & on the light in twice	No word producing just comprehend the situation	She understand and comprehend the instruction even she doesn't produce the word of door/light/turn off or turn on
12-Dec-2024	hospital	Bapak	Bunga mau beli susu ya di mesin ini. ayo masukin uangnya	Bunga follow her father's direction	
			in uang nya, masukin sini	Bunga bring the money and put into the machine	
		Senandung	Bunga ini lo ada mainan nya Nga	turned into Senandung and the toys	Expression in Action
			Nga stiker Nga, ini satu buat kamu	yee	Expression of happy
17-Dec-2024	After bathing	Mom	Bunga often hears the song of mosquitoes.	Swipe her hand	no word producing. She understand meaning of mosquito
	Eating	Maid	Nyamuk nak. hearing the song	She grasp a mosquito racket	no word producing. She understand meaning of Nyamuk in Indonesia and Mosquito in English
18-Dec-2024	Afternoon	Maid	Bunga bu dewi pulang dulu ya	bye bye	She knows that pulang mean bu dewi go

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
					somewhere
		Bapak	Ayo Nga, salim dulu sama bu dewan	She knows how to salim	No producing words, just reaction
19-Dec-2024	After eating	Maid	Minum vitamin dulu Nga, manis kok ini	She drink nicely	She probably knows what vitamin is or what manis is
20-Dec-2024	Eating	Mom	Mom ask Bunga to grab the water for her	No word producing just comprehend the situation	Bunga understands the instruction of asking water.
		Mom	After grab the water, Mom put the bottle in the bed and ask Bunga to drink it.	No word producing just comprehend the situation	she also understands that water in the bottle is used for drinking.
21-Dec-2024	Before eating	Bapak	Bunga ask ipad to bapak 'pad pad'	producing the word	Ipad
22-Dec-2024	Leisure time	Bapak	calling Bunga.	She said yaa producing the word "iya"	Iya or apa
23-Dec-2024	at the car	Bapak	Ayo Nga, bapak mau nyetir dulu. geser dulu	Bunga move her body into another chair	No producing words . she knows that she needs to move because the word of geser
6-Jan-2025	Going to minimart	Father	Bunga ayo ambil sandalmu	She grab the sandals. She understand the instruction	No producing words
7-Jan-2025	Eating	Maid	while eating, there is a cat and the maid said to her 'Bunga ayo meng nya kasih makan'	Bunga understand the instruction and take the cat food and pour it into food bowl	No producing words
	After eating	Mom	Going upstairs / going down "Bunga lets going upstairs" she said no no	She reject mom's instruction	No means rejection . She understands the meaning of going upstairs
8-Jan-2025	Eating	Mom	Producing word No	Bunga can produce the word of rejection both in Indonesia 'Gak mau' and English 'No'	Rejection
8-Jan-2025	Eating	baby sister	Producing word 'gak mau'		Rejection
10-Jan-2025	Eating	Maid	Bunga plays pick a boo with her mom in front of the room, and the maid said . kebentuk lo	She watched the wall	She knows the meaning and giving reaction with watching the object

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
11-Jan-2025	in the morning at dining room	Mom	Bunga find her toothbrush and ask her mom to help her	pointing the object	no word producing. she expressed her wants
11-Jan-2025	when brushing her teeth	Mom	singing tooth brush	Bunga also brush her mom's teeth	she understand concept of brushing teeth in english word
12-Jan-2025	Before take a shower	Bapak	Nga uda siang, ayo main ke bu dewi Nga	She going to bathroom	no word producing. She understand meaning of mandi
12-Jan-2025	before going to Maid's boarding house	Maid	Jalan ayo jangan lari	slow her step (it is only when we going outside/ wearing sandal	no word producing. She understand meaning of jalan
13-Jan-2025	at home	Mom	No running Bunga	slow her step	no word producing. She understand meaning of no running in English and jalan in Indonesia
13-Jan-2025	at bed room	Senandung	Sese want to hug her	aaaaa	express rejection
14-Jan-2025	Open the ball	Senandung	Senandung ask mbak tutut to open the big plastik	ayuu	ayo
			Ayo mbak tutut bukain	tutu	Mbak tutut
15-Jan-2025	After bathing	Father	Bunga ask bawah to going downstairs .	she said wun-wun	Turun is Indonesia which means go down
16-Jan-2025	Going to minimart	Mom	Bunga grab your sandals. where is your sandals Nga ?	She put her sandals. there is reaction	there is no word produced by Bunga
17-Jan-2025	Before sleep	Mom	Instruction 'Bunga gives to bapak'	she does not produce the words just showing expression	no word producing
		Father	Instruction in Bahasa with the same context 'ayo Nga kasihkan ini ke ibu'	she give the small pillow to Ibu	No word producing . Bunga knows word of give and kasih
18-Jan-2025	After bathing	Father	She eats pukis	nak	Enak means delicious
19-Jan-2025	Leisure time	Maid Mbak tutut	Pull mbak Tutut's shirt and pointing the ball poll	she does not produce the words just showing expression	no word producing
20-Jan-2025	coming home	Father	Father said Assalamualaikum . Bunga Said su su	Bunga understand greeting	Assalamualaikum
21-Jan-2025	After bathing	mom	"Bunga, dry your feed" . she rub her feed in the mat	No producing any words, just do the	Understanding the word english for dry

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
				instruction.	your feed
21-Jan-2025	After bathing	mom	mom give instruction to Bunga for 'hand her up, Bunga'	She does the instruction	Understanding the word english for Hands up
22-Jan-2025	Leisure time	Aunty	Bunga pointing the goods 'lipstik'. she said 'tik ipstik'	She understand what she wants by giving gesture and she produce words	
22-Jan-2025	Leisure time	Aunty	She put the lipstik on her mouth. she understand the function of the goods		
23-Jan-2025	Playing	Maid	said sakit . she pointing part of her body	Understand the word of sakit but she doesn't know the meaning of hurt.	
23-Jan-2025	Playing	Mother	is it hurt you ?	She does not give any reaction	
23-Jan-2025	Minimart	Father	Going to minimart . Bunga pointing ice cream and said the word with good pronunciation	producing word of ice cream	Ice cream
23-Jan-2025	Minimart	Father	Going to minimart. Bunga pointing candy and said men	producing Indonesia Word Men is Permen	in Indonesia , Permen
24-Jan-2025	Before sleep	mom	take off your clothes Bunga'	She silent and pause her activity and mom take off the clothes	this phenomena is still ambiguous whether she understand the meaning or because her mom hug her while taking off her clothes
24-Jan-2025	Before sleep	mom	producing word of drink 'mik'	She want to drink	
25-Jan-2025	Leisure time	Father	Bunga hand her up because she ask her dad to carry her	Expression of her desire in action	
25-Jan-2025	Leisure time	Father	duduk sini dulu, bapak mau ambil gelas'	She wait nicely	
25-Jan-2025	Bathing	Mom	Bunga dry your feed'	She directly put her feed into mat and rub her feed in mat	Bunga understand the meaning in english
26-Jan-2025	Bathing	Mom	Bunga hold my hand	She hold mom's hand	Bunga understand the meaning in english
27-Jan-2025	Leisure time	Mom	at the car 'Bunga can you give the sandals to me?'	She answer with reaction	Bunga understand the meaning in english
27-Jan-2025	Leisure time	Father	at the car 'Ayo Nga kasih	She answer no and	Bunga understand the

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			sandalnya ke ibu	ask her dad to grab the sandals	meaning in Bahasa with same context in English
28-Jan-2025	Leisure time	Maid	ayo pakek sandalnya'	She wear the sandal	
		Maid	sandalnya kebalik	she take off the sandal and twist the sandal	Express the instruction
		Oma	pointing the chicken	Express her desire to touch chicken	
		Father	pointing chicken	She continue her desire	
29-Jan-2025	after eating	Mom	"What is the color ? " she wears her pink sandal . She said 'pink'	Producing word	Colour pink
29-Jan-2025	after eating	Grandmother	said to Bunga 'kamu gak bubuk ta pril?' She said no	Understand the question and she can answer	rejection
30-Jan-2025	Going down stair	Mom	Mom said to Bunga, watch your step	She look her feed	Understand the meaning
30-Jan-2025	In the morning	Maid	Ayo habiskan susunya. mana susu nya	su - su su	Susu
31-Jan-2025	Magrib	Aunty	Nga ayo ke kamarnya kaka senandung	She said ya	Understand the meaning and answer properly
31-Jan-2025	Magrib	Maid	Bangunin kakak	she runs into Senandung's room and wake her up	Understand the meaning. expression the answer with action
1-Feb-2025	Hospital	Maid	ayo Bunga maem dulu		
1-Feb-2025	Hospital	Maid	mana sandalnya ?		
1-Feb-2025	Hospital	Maid	ayo dipakek sandalnya		
1-Feb-2025	Hospital	Mom	pointing selling machine at hospital	she want to buy something	
2-Feb-2025	leisure time	Maid	Bunga's mouth has hit the table and Bu dewi knows 2 minutes later . Bunga points her mouth with her finger and bu dewi said 'jangan nangis, Bunga kejedok meja kan. nanti ibu marah lo'	she removes her air in her eyes and stop crying.	Understanding the meaning without giving reaction in words
		Maid		she doesn't want to meet her mother until bu dewi told gapapa kasih tau	

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
				ibu	
		Father	Father said Indonesia 'ayo ngaca bibir mu merah itu'	She go to mirror place .	
10-Feb-2025	Leisure time	Bapak	mau ke Indomart ?	yaaa . wang	Iya, she bring money to buy something
			Mu beli susu ta? Coklat apa strawberry	yaa	She doesn't get the taste difference
11-Feb-2025	In the morning	Bapak	Nga bapak pergi ke Madura dulu ya, sama bu dewi dirumah	Ask for Carry with she ups her hand	She doesn't want to come along
		Mom	Nga, Bu Dewi coming after this . you need to eat breakfast	no reaction	she just reject and still want to come along
		Parent	Wait until bu Dewi coming		
			7.30 . BU dewii mom said louder .	she runs into bu Dewi	she is happy bu dewi coming
		MOM	Nga Ibu dan Bapak go to Madura ya. this morning you and bu dewi eat breakfast . Ok ?	no reaction	she looks want to come along but she is ok with bu dewi
12-Feb-2025	Want to sleep	MOM	Nga, Ibu need to work tonight. it is only 2-3 hours. can you just sleep please?	She come around the bed	She does not ready to sleep
			Nga, enci please. the client waits Ibu . come on enci	oce	She enci bu she doesnt sleep
			Nga, I have to go now. if you don't want to sleep. You sleep with oma. We go to Oma's room		
		OMA	Play with oma. kamu bantuin opa benerin mobil ya	yaa	she probably understand the conversation or just saying ya
13-Feb-2025	Before Sleeping	Mom	Do you wanna drink ?	Iya	She answer clearly
			What do you want ? milk ?	no	She answer clearly
			Water	Iya	She answer clearly
14-Feb-2025	Bakery at Hospital	Father	Bunga, do you want to buy cake ?	she pointing a box of donut	Understand the question
	Hospital	Doctor	Ayo mana gigimu	she show her teeth	Understand the instruction
			Ayo buka mulutnya Bunga	she open her	Understand the

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
				mouth	instruction
	At home	maid	Ask candy and then Bu dewi said gak bole sama ibu	she turn her head into her mom	Bunga understand the communication
		Mom	Ibu said no candy, you have eat sugar at hospital. it's enough	She just silent and stop to ask candy	Bunga understand the communication
15-Feb-2025	Birthday Party	Bapak	Itu lo Nga kayak kakak Nandong, ditiup fuuu	no reaction	she doesn't know the meaning
		MOM	Photo Photo	hands her up	She knows the instruction
	at the night		Bunga, you have lots of gift	Apa	asking what her gift
16-Feb-2025	Backyard	Cousin	Nga ayo maim gelembung	Ayo	
	car	Mom	Bunga lets eat the french fries	put 1 slide and eat that	Understand the instruction
		Cousin	Nga, jangan dibuang-buang. onty lihat itu Bunga	no reaction	it's her hobby too throw anything
25-Feb-2025	House	Mom	Nga, your temperature is high. what you feel now ?	Just crying	she looks like feeling bad
	play area	Senandung	Senandung plays her bracelete DIY and Bunga wants to join. senandung does not allow Bunga to touche the object because she worried that Bunga will brake the bracelete ot make messy	crying, pulling senandung's hair, force the toys from senandung, screaming	she express emotion of wanting
26-Feb-2025	senandung get a sleep	Mom	hours later, Bunga pull mom's hand to take the toys	trying to get the toys in difference ways	she tries to maintain her wants
	aunty room	her self	Senandung and aunty eat food in aunty room. they lock the door because senandung have to finish the food fast and sleep after	Bunga move the door handle and scream, cry loudly	she express her feeling to open the door, she wants to join the aunty and senandung
27-Feb-2025	Play area	Father	She climb into the chair, then she can not get down by herself	tuyun (3x)	she scream to anyone
28-Feb-2025	Bedroom	Mom	Nga bu dewi coming	deyi	Bu Dewi
	Mushola	Bu Dewi	Bunga, istirahat sama ibuk ya	mama	she wants to call her mom, Mama
			itu ibuk dikamar. ayo	running and say	

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			Bunga ke kamar	mama	
1-Mar-2025	Eating	Bu Dewi	muter, sebelah sini	she turn her body	Understand the instruction without giving respond of words
		Bu Dewi	jangan di pegang , jangan di tarik	she stop her movement	
2-Mar-2025	Playing bicycle	cousin	Senandung grab the Bunga's bicycle and Bunga angry	Bunga showing her emotion	
	Backyard	Father	nak Bapak batuk, jangan deket-deket bapak dulu	no	she doesn't want to stay away from her dad
			Bunga mau disuntik lagi	no	she understand the meaning
				Bunga pointing her hand	she has a shot in her hand
	Kitchen	Grandmother	ayo Nga maem, and Oma give her pudding	yah	she wants to eat pudding
			ini sendoknya, jangan pakai tangan, pakai sendok	She grab the spoon and eat	her comprehension of eating is good
3-Mar-2025	Bunga plays alone while aunty is reading quran	Aunty's room	Aunty said Taruh diujung	she put the good in incorrect place	
			bukan disitu lah, dipojok sana la	She grab the good and put in the right place	
4-Mar-2025	in the bedroom	Mom	she plays hair cream . mom said 'Smell it '	hueeekk	
				Gak enak	
5-Mar-2025	Leisure time	Mom	have you finished your candy ?	Yaahh	Understand english sentence
				agi	Lagi . Indonesia word
			Open your mouth	aaa	Understand english sentence
6-Mar-2025	in the evening	Father	Ask bapak to go outside	anak-ana	
				econ	mercon
	Leisure time	MOM	Mimik . Mom said do you wanna drink ?	Mimik - Yaa	she wants drink. she speakd in Indonesia
			Hi Bunga	Hi	she knows greeting
7-Mar-2025	In dining table	Mom	Bunga busy with her uht of milk- she tries to open the straw from the plastik. mom asks 'can you do it by yourself ?	No, ukak	Buka (Indonesia) ; Open (English)

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			She grab the straw	asih	Makasi, Indonesia word. in English is thankyou
			is it cold?	ngin	Dingin (Indonesia); Cold (English)
8-Mar-2025	Aunty room	Grandmother	she grab the chair and take aunty's lipstick and she draw the wall with the lipstick	Bunga shock and hide the lipstick in her back .. she said nothing but her expression look shock	
			minutes later oma see what Bunga is doing, Nga kamu ngapain ?		
			Nga kembalikan Nga, nanti onty marah lo. onty mau pakek itu	No no, she hide the lipstick in her back	she still want the lipstick
9-Mar-2025	Leisure time	Father	Mau ke indomart gak Nga ?	Mauuu	can respin the question with word
			Mana gendongan mu ?	Kakak	in her cousin's room
10-Mar-2025	banan fried	Mom	Pisang goreng. do you want it ?	Iyak	she wants
			after he mom gives the banana fried, she smell the box .	gak mau	she doesn't like
11-Mar-2025	15 minutes after eating	Bu Dewi	Ayo enci sama ibu gih waktu nya tidur siang	she runs into Ibu at the room	
		Mom	Have you wash your hand ?	Endak	
12-Mar-2025	after eating	Bu Dewi	Bunga mau ini kripik ?	mau	she knows in Bahasa concept
			But, Bu dawi only gives her two slide of kripik		
	at the bedroom	Mom	Bunga said' ipik-ipik' . mom: what you mean ? what do you want ?	ipik-ipik	kripik
13-Mar-2025	Stair	Father	kita naik ya Nga, bapak mau naik	Bunga immediately grab her father's hand	she knows the meaning and give reaction in action
			satu, dua, tiga	she imitates her father word	learning of number
14-Mar-2025	backyard	Bu Dewi	gak bole pegang meong ya	Meong	she understand question, then she answers in word and action
			iya meong nya laper mungkin, ayo dikasih makan. bu dawi grab cat's food	Bunga ask the cat's food and she give the food in cat's food box	

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
	Bathroom	Mom	kakak' she points her cousin's toothbrush' . Mom said 'do want toothbrush ?'	yaaa	she understand question, then she answers in word and action
			hang on ya, you wait here. i take yours	no. kakak	
			you can not use kaka's toothbrush. it's private use	no, kakak	
15-Mar-2025	Cousin's room	Mom	Bunga sleeps at her cousin's room. before sleep she ask Ibu to take a box of bracelet. she points the box with sound 'ee ee ee'. and mom said. no it is not yours, take a sleep	Pointing something she wants	She knows what goods she wants but she can not grab it by herself
			Bunga get tantrum and cry. she still points the box until Ibu give it to her		
16-Mar-2025	Her camp	Aunty	Onty tend. Bunga pulls her aunty's hand and she asks aunty to go to her camp.	just action	she wants someone accompany her in the camp
	bedroom	Mom	before sleeping, Ibu gives a book of animal to Bunga. and Ibu points the picture of frog . What is it Bunga ?	Katak	She knows the language in Indonesia, however Ibu never teach Bunga a picture of frog both in Bahasa or Indonesia
17-Mar-2025	Praying	Mom	Bunga pulls her mom's praying clothes with her whines	whines sound	she wants her mom's praying clothes
			what's happend Bunga ? do you want my praying clothes ?	iyaaahhh and she still pulls the clothes	she clearly said yes when question coming
			and then, her mom gives the clothes to Bunga		
		Grandmot her	Bunga mau pakek rukuh ta ? sini Bunga pakek rukuh sama Oma	she gives the clothes	she knows the sentence
			Cantiknya naa, lucu kamu	she round the area, with sound of yea yea yea	it seems like she is happy
18-Mar-2025	At the bed	Cousin	Bunga and Senandung (her cousin) play doll together but Bunga doesn't give any doll to senandung . every doll has touched by Senandung, Bunga want to	No. Aku	it seems like Bunga does not give change to her cousin to touch any doll

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			grab it		
			Senandung forces seize the doll from Bunga	No. No. Bunga slap senandung's head	It is showing her anger
19-Mar-2025	Kitchen	Mom	Oma, Ibu, and mbak tutut make ice for breaking fasting . Bunga wants to join by stir the stainless stell .	she just continue to stir the stainless stell	she rejects the instruction with silent and continues what she wants to do
			Ibu said to her, Nga do not make any messy. you can play in the backyard with bu dews		
		Bu Dewi	Nga, ayo sini maem disini. Bu Dewi pulls Bunga's hand	No. with continue her activity	Expression of rejection
			then, BU dews lifts Bunga away from the kitchen	NO NO, she shakes her body and her feed to reject bu dews; action	Expression of rejection by shoed her body movement
20-Mar-2025	Praying	Oma	Bunga see her Oma's toes using band aid	Oma Kaki Opa	Kaki / Feed
			kaki nya oma sakit gara-gara ditubruk opa nak	Opa	Opa hurt oma's toes
21-Mar-2025	Aunty room	Bu Dewi	Ini siapa ?	tutu	Mbak tutut
			Bunga wears headset, and Bu dews said "Punya nya siapa itu ?"	Mama	Understand the question
22-Mar-2025	Bed room	Mom	Asking to open new lunch box	Kakak	this is kaka's lunch box
			Ask aunty. aunty can i open it ?	She goes to aunty room	Understand the instruction without giving respond of words
			Do you wanna go to aunty's room ?	Yeah	yes
23-Mar-2025	Bed room	Mom	Nga, could you bring this clothes in dirty box, please ?	She grab the clothes and go to dirty box	Understand the instruction without giving respond of words
		Father	Ayo Nga, ke kamar mandi bersihkan pup nya	no respon	
			kamu pup Nga, ayo dibenerin dulu. bau. kamu	No no no . With tantrum	She enjoy plays the spoon, she rejects the

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			gak bau ta		instruction
24-Mar-2025	Leisure time	Mom	Pointing fish pool	lololo	give announcement that the balls comes to
			Allahuakbar	Allahuakbar	imitate the voice
	Leisure time	Bu Dewi	Nga, kakak dimana ? (her cousin)	kakak oma	kakak with oma
			kakak pergi sama oma ?	Iya	
			Kemana ?	ata	jakarta
25-Mar-2025	Printer	Aunty	she looks aunty's work. when her aunty finish her work, she imitiate what aunty's doing	she put the paper into print-paper area	imitate aunty's action
		Mom	she got a problem then she scream and say asa with give the paper to mom	asa	Gak bisa (Indonesia). she can not put the paper into print-paper area
26-Mar-2025	Eating	Bu Dewi	Learn about the color in Indonesia word		She just saying the last syllable
27-Mar-2025	praying	anyone	Bunga could imitate pray's movement. She asks anyone to prepare her sajadah	adah	Sajadah
28-Mar-2025	Taking shower	Bu Dewi	Bu Dewi pour the hot water in box and Bunga touch it	ngin	dingin
			Anget ini namanya nak bukan dingin	Ngin ngin	She doesn't understand yet between dingin and pan
31-Mar-2025	Idul Fitri	neighbor	Mom's prayer cloth is leave at the table. Mom leaves Bunga with the neighbor	plang	Pulang
				Ama	Mama
		Mom	After praying Ied Fitri, Bunga grab her mom's hand into indomart	ayuuu	ayo
		Kids	Many kids coming into our house and most of kids are loving eat balado chips . Bunga see the chips and said	apatuh	aapa itu
		Father	Bunga mau ?	ya mau	
			Tapi dikit aja ya' Bapak said to Bunga	no reaction	She just eat the chips
1-Apr-2025	Idul Fitri day 2	Father	Bunga wants to eat chips	kipik	Kripik

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			because she ate chips much with kids yesterday		
			Bapak answer. stop makan kripik nanti batuk uda banyak kemarin	kipik kipik	she rise up her voice and start angry
3-Apr-2025	Lunch time	Mom	Mom brings the food to Bunga for eat together . When mom open the noodle and let Bunga tries it	hah nas	Panas
			What's happened ? us it hot ?	iyaa	She doesn't understand yet difference between hot and spicy
			or spicy ?	iya	
4-Apr-2025	Traditional Market	Parent	Bunga, Mom and Bapak go to traditional market to buy business's requirement.		
			Nga, do you smells bad ?	Iya bauk	She knows english question but answer in Language she can produce
			She close her noise . Bapak ask 'bau banget ta Nga?'	Iya	Understand the same question in different language
5-Apr-2025	Laundry	Mom	She grab her cloth into machine	aaa	she can't produce the words that she wants but she express her wants hardly
			she is getting angry when she cant get the laundry machine		
	Alfamart		first, she goes to Alfamart with her father then she back to laundry service. 10 minutes later, She grab her mom's hand and asks to go to Alfamart	No word	She remember the road to Alfamart
6-Apr-2025	Before drink milk	Father	Mom boils the water and give little bit in Bunga's glass		
			Bapak said 'ayo Nga minum air anget'	Ha ha ha nas	Panas
9-Apr-2025	lesisure time	Mom	Mom telling story about kenari birds and mention the name's of the birds	urung	Burung
			Mom ask her . What's your name	uga	Bunga

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
10-Apr-2025	Bedroom	OPA	Bunga, uda mandi belum	Belum	Not yet. She can answer a question
		Mom	Nga, did meme bite you yesterday ?	nod her head	means yes
			really ? was it hurt you ?	No answer	She doesn't know the meaning of hurt
11-Apr-2025	after sleeping	Mom	In downstairs, there some kids playing in the backyard and their sound are too loud. Bunga wakes up and cry. then Mom ask her do you wanna go downstairs ?	ya - bawa	
12-Apr-2025	In the morning	Grandmother	Bunga see that Oma gives Senandung food and She want food that held by Senandung	she pull oma's hand	Express her wants
	After eating with Bu Dewi	Father	, there are some kids in the downstairs . Bunga goes to her father and pull his hand	Bawa	ke bawah
13-Apr-2025	in the morning	Bapak	Bunga and Bapak in front of the house's gate and see bu Tun sells things. Bapak ask question about how Bunga calls anyone	deyi	Bu dewi
				Tutu	mbak tutut
				butu	Bu tun
				bua	Bu ar
14-Apr-2025	After showing	Grandmother	Bunga bring a doll of baby and sewek . she ask oma to tie the baby and sewek into her body	Oek	
			gendong bayek ta nak?	iyaa	
		Mom	mom said to Bunga . Nga, Do you wanna see baby ?	Yeaa	
15-Apr-2025	Leisure time	Mom	mom teaches Bunga about the color and she imitate the word only one last syllable	Pape	Purple
				Yu	Blue
				Renge	Orange
				Elo	Yellow
				Pink	Pink
17-Apr-2025	Mom's birthday	Anyone	She feed fish in the pool and after the fish's food empty, she wants to add more	Agi	Lagi
			after dinner, She grabs Mbak Tutut's hand and	point the restaurant's road	She wants to walk around the restaurants

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			mbak Tutut announce to anyone to get photo, ayo photo	She automatic pose her body	She knows the concept of taking photo together
18-Apr-2025	showering	Bu Dewi	Bu Dewi pull the hot water in the cold box. then, Bunga touch the water by her hand	Nas	Panas
19-Apr-2025	jasmine production	Bu Dewi	She pull Bu Dewi's hand to go in the Jasmine production and meet friends	Asap	kak ashraf
20-Apr-2025	before Sleeping	Mom	She just doing something random and suddenly bite mom's leg	cokot	bite. the word sound clearly understand
21-Apr-2025	before Sleeping	Mother	Mom ask Bunga about animal Which one is elephant -	choose the wrong answer	mom gives her the answer.
			Mom asks Bunga about the elephant for the second time	She choose the right puzzle	understand the puzzle of elephant by two same question
			Giraffe	She choose the right puzzle	understand the puzzle of elephant by one question
			Crocodile	She choose the right puzzle	understand the puzzle of elephant by one question
			Zebra	She choose the right puzzle	understand the puzzle of elephant by one question
			Lion	She choose the right puzzle	understand the puzzle of elephant by one question
			Mom ask Bunga about animal Which one is elephant -	choose the wrong answer	mom gives her the answer.
			Mom asks Bunga about the elephant for the second time	She choose the right puzzle	understand the puzzle of elephant by two same question
22-Apr-2025	leisure time	Anyone	she look animal in the wall and said	Cicak	said the word clearly understood
22-Apr-2025	leisure time	Anyone	Bunga's head hit the table	Adu	
23-Apr-2025	Angry	Mom & Father	Bunga sleep and she get angry without reason. she just wake up and look up her father. she reject her mom		

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			in the bed, she hit her mom's head many times	aa aaa with crying	she shows her uncomfort
			Mom Said to her 'Bunga, let's sleep with ibu'	No , Bapak	
			Ibu leaves you ya,	iya	she wants her mom go
			and Ibu leaves Bunga and her father	no reaction	she is really angry with her mom
	pour fish feed	Oma	Bunga grab the chair and feed fish. but she pour all the bottle of food	grab oma's clothes	She just want to announce someone else about what she has done
			Oma reaction . YaAllah Bunga	She run into her room	she just afraid of get oma's anger
23-Apr-2025	At Car	Bu Dewi	She is sleepy. she wants to sleep with Mom but, her mom is driving	Mama Enci	She wants to have a breast feeding
			Bunga said 'mama, enci' mama (many times)		
			Bu Dewi said: bentar nak, mama masih nyetir habis ini sampe	crying	She is angry
			Bu Dewi Said: Sini bubuk sama bu dewi, di pangku sini nak	No	
			She sleep with her self		
24-Apr-2025	Indomart	Mom	Bunga and mom go to indomart. Bunga find the rack of candy near the cashier	Men	Permen
			mom aks 'do you wan candy?'	yea	Bunga knows candy but she only speaks men for permen (the word in Indonesia). She can not speak candy yet
25-Apr-2025	After eating	Grandmot her	in the evening, Bunga grabs Oma's hand to buy toys across the house	Ini	This is
			She wants to buy dentist toy in 2 days	Pointing the object	Express her wants
	Sleep	mom	She keeps her toys near with herself		expression of keeping her things safe and no touched by someone else
			Nga, put your toys in the floor	No	

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			Sese coming and she wants to borrow Bunga's toys	take all the toys	
26-Apr-2025	After praying	Mom	Is your hand sick ?	Yes . shows her finger	expressing feel of hurt
		Grandmother	kenapa ini Nga ?	Pad pad	Ipad
			kena ipad ta	Yaaaa	yes
27-Apr-2025	in front of home	Bapak	there is Bu Tun sells vegetables	Pointing part of her body	express her hurt
			She talks tu bu Tun,	Akit	Sakit
28-Apr-2025	While eating	Father, mother, & Bu Dewi	What it is	Nyet Nyet	(topeng monyet)
			Father : kasih makan pisang Nga		
			Bu Dewi said : gak ada sudahan, nanti lagi	pointing the door	she wants topeng monyet
29-May-2025	Senandung Study	Oma & Cousin	Bunga in Senandung's room . she make the senandung's stuff messy	expressing her wants	
			Oma: ayo di kembalikan	ok. she put some stuff back	understand and answer correctly
			Semua nya	No ,	
			Senandung draw in her picture book	Aku mau	Expression her want
			Senandung : ini punya aku, Aku	Aku	
			Aku	Kilaaaaa	She was screaming, she's trying to defend herself
			Senandung: Bunga selalu saja merebut	No, Kila . Aku	
		Bu Dewi	buang ingusnya	Snot her nose	Understand the instruction
30-May-2025	Sunbathe	Mom	Mom was carrying Bunga and said to her, Bunga look the sun, it shine perfectly. through you nose	she was trying to thorough the snot from her nose	doing the instruction
			Mom said again, one more	second time, she did	doing the instruction
			one more . last time	no. uda	reject it . with mixing language
30-May-2025	Eating	Bu Dewi & Senadnung	Senandung, Ice cream siapa yang mau ?	Aku	Aku
			Mau Berapa	Dua	Dua

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
		(Cousin)	Senandung: Mau rasa apa ? bu Dewi: Stroberi	tobeli	Strawberry
			Tolong jagain ice cream ku, jangan di rusak	Iya	Iya
			Bu Dewi : kakak senandung yg jualan, kita yang beli	No, aku	clearly understood
31-May-2025	Watching Ipad	Mom	is your eye itchy ?	Yaa	clearly understood
			then, turn off the ipad. come on, we gonna sleep	No	clearly understood
			do wanna still wacth ipad ?	Yaa	clearly understood
1-June-2025	In backyard	Mom	Bunga sit with boy closely and mom said Bunga, a girl is not allowed to sit near the boys. Mom was pulling Bunga's hand	No respon, but she follow mom's reaction	No sound produce, just an action
		Mom	Can you just wear your pants	No, no	Understand the conversation
			give me your pant	she runs and hide it	
			ants eat your feed. it will be sick	Empan	Perban
	Eating	Oma	Eat lele fish. Oma go outside to take some rice	Ayo Oma, makan	clearly understood
			Bentar oma ambil nasi	lele	name of fish
	after isya	Opa	Grab Opa's hand to toys store	Inan	Mainan
25-June-2025	bicycle	Bu Dewi	Bunga grab her doll, she want to carry the doll infront of her. and then, bu dewi ask her 'mau di bawa kemana bonekanya"	she put the doll on front chair, ene	ini'
			ayo di telan dulu	gak mau	doing the instruction
			ambil minum	she grab her bottle	
			gak cukup kainnya, bentar bu dewi ambil gendongan	she point the clothes, she ask the doll to be tied into her body	
	Camp		Bunga brings the doll, into her camp	ayo deyi	she want sleep with bu dewi, and her doll in the camp
26-June-2025	after wakeup	Father	Bapak, ayo . 'kemana'. 'luar' ; 'ayo, ajak ibuk' 'gak mau'	she could do complex conversation	

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			minum susu dulu'	she sit down	
		Mother	come on Bunga drink your milk	pad pad	She wants drink milk and watches ipad
27-June-2025	Eating with Playing	Bu Dewi	nanti dipompa dibawa	mana	
			di tukang bengkel	mana itu	
			jauh. ayo ditelen maem nya	continue cleaning her bicycle	
			Ayo berdiri dibersihkan	She stand and sit in the bicycle chair	Know meaning of "berdiri"
27-June-2025	leisure time		Jangan kayak gitu, jatuh lo nanti	she sit	know the concept of danger
		Bapak	Pak, tissue	Tissue	Tisu
			Buat apa' , 'my hand' . 'kenapa tangan mu' 'kelet'	hand	hand
	going to laundry		Pak, engkut	ikut	
28-June-2025	Take a shower	Bu Dewi	patpat' , 'nanti main dulu baru main ipat' , 'amau'	pat pat	Ipad
				amau	gak mau
			da main'	da main	yauda main
			ya bole kalo main	continue to play her toys	
	After wakeup	Mother	after wakeup in the morning, she is crying .	she is pointing her mom	she wants enci
			Mama is praying and carryy Bunga	She sit down, said bapak	she is looking for her dad.
	Study quran	Mother & teacher	Teacher 'alif bak ta' until finished and it turn into 3 times	uda	she wants to stop the study and wants to go outside
			she grabs her mother's hand	ayo keluar	
2-July-2025	School's observation	Teacher	Bung, ayo menyusun balok	Doing the instruction well	she can do it
			ayo sekarang lembar bolanya	doing the instruction not to good	she can not focus with this activity
			when entry the room, she point ice cream toys	kim kim	Ice cream
			teacher asks to her 'mau main ini ya'	iya	
			ayo bawa sini ya, ini warna apa	silent	she doesn't know the name of colour

Date	Situation	Partner	Situation or Dialogue produce	Word/Action	Possibility of Meaning
			pink	pink	she remember the name
			ini warna bi	ru	she knows the name of the colour after teacher were giving first syllabus
			ini warna hi	jau	
			ini warna or	range	
7/2/2025		Mother	Do you wanna wash your hand ?	hand hand	wash her hand
7/19/2025	Playing with neighbour	Mbak Tutut	Bunga say to friends	kakak usa	
Start: 6 September 2024 Object: Bunga					

