Lampiran A

SOAL SELIDIK

KEMAHIRAN MENDENGAR PELAJAR MELAYU
DALAM PENGAJARAN DAN PEMBELAJARAN BAHASA MANDARIN

Soal selidik ini bertujuan untuk mengetahui tentang masalah-masalah yang dihadapi oleh pelajar Bahasa Mandarin Komunikasi I Universiti Pendidikan Sultan Idris dalam aspek kemahiran mendengar sebutan Hanyu Pinyin. Semua maklumat yang dikumpul adalah sulit dan hanyu digunakan untuk tujuan penyelidikan sahaja.

Arahan:
1) Soal selidik ini mengandungi DUA bahagian iaitu bahagian A dan B.
2) Sila jawab semua soalan dengan menandakan (/) pada ruang yang disediakan.
3) Sila beri pandangan anda dengan jujur terhadap setiap soalan yang diberikan.

Ribuan Terima kasih di atas kerjasama yang anda berikan.

Disediakan oleh:
Tan Lee Na
TGA020004
Fakulti Bahasa & Linguistik
Universiti Malaya

BAHAGIAN A: DATA PERIBADI PELAJAR

(Maklumat peribadi anda diperlukan hanya untuk tujuan pentadbiran penyelidikan)
Tandakan (/) pada yang berkenaan.

1. Jantina
    I. (   ) Lelaki
    II. (   ) Perempuan

2. Program Pengajian
    (   ) Nama Program:_____

3. Semester Pengajian
    I. (   ) Tahun 1, Semester 1 atau 2
    II. (   ) Tahun 2, Semester 3 atau 4
    III. (   ) Tahun 3, Semester 5 atau 6
    IV. (   ) Tahun 4, Semester 7 atau 8

4. Sila nyatakan bahasa yang anda guna di rumah mengikut kekerapannya:
    I. Bahasa _____
    II. Bahasa _____
    III. Bahasa _____

5. Sila nyatakan bahasa yang anda guna di bilik darjah mengikut kekerapannya:
    I. Bahasa _____
    II. Bahasa _____
    III. Bahasa _____

6. Tahap penguasaan bahasa:

    I. Bahasa Melayu
    I. (   ) Kurang baik
    II. (   ) sederhana
    III. (   ) baik
    IV (   ) sangat baik

    II. Bahasa Inggeris
    I. (   ) Kurang baik
    II. (   ) sederhana
    III. (   ) baik
    IV (   ) sangat baik

    III. Bahasa Mandarin
    I. (   ) Kurang baik
    II. (   ) sederhana
    III. (   ) baik
    IV (   ) sangat baik

7. Pengalaman belajar bahasa Mandarin
    I. (   ) Pernah
    II. (   ) Tidak Pernah

8. Jika pernah belajar bahasa Mandarin, sila nyatakan peringkat penguasaan anda terhadap bahasa ini:

I.   (   ) peringkat sekolah rendah
II.   (   ) Peringkat sekolah menengah
III. (   ) Peringkat dilpoma/universiti
IV.   (   ) Lain-lain.
      (Nyatakan)_____

BAHAGIAN B: DATA KAJIAN

9. Tujuan anda mengikuti kursus ini (anda boleh buat lebih daripada satu pilihan)

        I.   (   ) minat
        II. (   ) galakan ibubapa
        III. (   ) ikut kawan
        IV. (   ) perkembangan bahasa ini
        V. (   ) keperluan pekerjaan
        VI. (   ) keperluan peribadi
        (Nyatakan)_____

10. Sejauh manakah minat anda terhadap pembelajaran bahasa Mandarin?

        I.   (   ) tidak minat
        II. (   ) kurang minat
        III. (   ) minat
        IV. (   ) sangat minat

11. Adakah anda mengulangkaji kursus ini setiap hari?

        I.   (   ) ya
        II. (   ) tidak

    a) Jika jawapan anda ialah "ya", berapa lama anda meluangkan masa untuk mengulangkaji kursus ini dalam sehari?

        I.   (   ) kurang daripada 1 jam
        II. (   ) 1- <2 jam
        III. (   ) 2- <3 jam
        IV. (   ) 3- <4 jam

    b) Jika jawapan anda ialah "tidak", maka bila anda akan mengulangkaji kursus ini?

        I.   (   ) seminggu sekali
        II. (   ) bila ujian diadakan
        III. (   ) tidak pernah mengulangkaji

12. Adakah anda terdedah dengan bahasa ini selain pembelajaran di dalam kelas?

        I.   (   ) ya
        II. (   ) tidak

Jika "ya", bagaimana anda terdedah dengan bahasa ini? (anda boleh buat lebih daripada satu pilihan)

        I.   (   ) TV - (   ) drama
                      - (   ) berita
                      - (   ) rancangan hiburan
                      - (   ) lain-lain (nyatakan)
                            _____
        II. (   ) siaran radio
        III. (   ) melalui kawan Cina
        IV. (   ) semasa di kedai
        V. (   ) lain-lain
               (nyatakan)_____

13. Pada pendapat anda, apakah tahap kesukaran anda dalam menguasai aspek-aspek Hanyu Pinyin :

a) suku kata awalanan (Initials)

    I.   (   ) tidak susah
    II. (   ) sedikit susah
    III. (   ) susah
    IV. (   ) sangat susah

b) suku kata akhiran (Finals)

    I.   (   ) tidak susah
    II. (   ) sedikit susah
    III. (   ) susah
    IV. (   ) sangat susah

c) nada (Tones)

    I.   (   ) tidak susah
    II. (   ) sedikit susah
    III. (   ) susah
    IV. (   ) sangat susah

14. Pada pendapat anda, apakah tahap kesukaran anda dalam menguasai golongan suku kata awalan (initials) berikut:

a) bunyi bibir b,p,m,f

    I.   (   ) tidak susah
    II. (   ) sedikit susah
    III. (   ) susah
    IV. (   ) sangat susah

b) bunyi gigi d,t,n,l

    I.   (   ) tidak susah
    II. (   ) sedikit susah
    III. (   ) susah
    IV. (   ) sangat susah

c) bunyi gutural   g,k,h

    I.   (   ) tidak susah
    II. (   ) sedikit susah
    III. (   ) susah
    IV. (   ) sangat susah

d) bunyi lelangit   j,q,x

    I.   (   ) tidak susah
    II. (   ) sedikit susah
    III. (   ) susah
    IV. (   ) sangat susah

e) bunyi sibilan   z,c,s

I.   (   ) tidak susah
II. (   ) sedikit susah
III. (   ) susah
IV. (   ) sangat susah

f) bunyi gelungan zh,ch,sh,r

I.   (   ) tidak susah
II. (   ) sedikit susah
III. (   ) susah
IV. (   ) sangat susah

15. Pada pendapat anda, apakah tahap kesukaran anda dalam membezakan golongan suku kata bunyi *aspirated* p,t,k,q,c,ch dan *unaspirated* b,d,g,j,z,zh

I.   (   ) tidak susah
II. (   ) sedikit susah
III. (   ) susah
IV. (   ) sangat susah

16. Pada pendapat anda, apakah tahap kesukaran anda dalam menguasai golongan suku kata akhiran (final) berikut:

a)   vocal tunggal a,o,e,i,u,ü

I.   (   ) tidak susah
II. (   ) sedikit susah
III. (   ) susah
IV. (   ) sangat susah

c)   vocal majmuk ai, ao, ei, ia, ie, iao, iou, ou, ua, uo, uai, uei, üe

I.   (   ) tidak susah
II. (   ) sedikit susah
III. (   ) susah
IV. (   ) sangat susah

d)   vocal sengau an, ang, en, eng, in, ing, ian, iang, iong, ong, uan, uang, uen, ueng, ün,üan

I.   (   ) tidak susah
II. (   ) sedikit susah
III. (   ) susah
IV. (   ) sangat susah

e)   vocal gelungan er

I.   (   ) tidak susah
II. (   ) sedikit susah
III. (   ) susah
IV. (   ) sangat susah

17. Pada pendapat anda, apakah tahap kesukaran anda dalam menguasai 4 nada bahasa Mandarin berikut:

a) nada pertama

I. ( ) tidak susah
II. ( ) sedikit susah
III. ( ) susah
IV. ( ) sangat susah

b) nada kedua

I ( ) tidak susah
II. ( ) sedikit susah
III. ( ) susah
IV. ( ) sangat susah

c) nada ketiga

I. ( ) tidak susah
II. ( ) sedikit susah
III. ( ) susah
IV. ( ) sangat susah

d) nada keempat

I. ( ) tidak susah
II. ( ) sedikit susah
III. ( ) susah
IV. ( ) sangat susah

-SOALAN KAJIAN TAMAT-

Lampiran B

LAPORAN ANALISIS
DATA SOAL SELIDIK

Jantina

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	L	6	15.0	15.0	15.0
	P	34	85.0	85.0	100.0
	Total	40	100.0	100.0	

Program Pengajian

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	sastera melayu	3	7.5	7.5	7.5
	sains sukan	1	2.5	2.5	10.0
	B & K	2	5.0	5.0	15.0
	bm	2	5.0	5.0	20.0
	P.khas	1	2.5	2.5	22.5
	maths	3	7.5	7.5	30.0
	sains	15	37.5	37.5	67.5
	ekon	1	2.5	2.5	70.0
	awal kanak2	1	2.5	2.5	72.5
	IT	2	5.0	5.0	77.5
	B&M	1	2.5	2.5	80.0
	KI	1	2.5	2.5	82.5
	Geo	2	5.0	5.0	87.5
	sekolah rendah	2	5.0	5.0	92.5
	P.Moral	1	2.5	2.5	95.0
	SKV	1	2.5	2.5	97.5
	tek. rekabentuk b'komputer	1	2.5	2.5	100.0
	Total	40	100.0	100.0	

Semester Pengajian

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tahun 1	22	55.0	55.0	55.0
	Tahun 2	11	27.5	27.5	82.5
	Tahun 3	5	12.5	12.5	95.0
	Tahun 4	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

Bahasa Di Rumah

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	BM	37	92.5	92.5	92.5
	BI	2	5.0	5	97.5
	BB	1	2.5	2.5	100.0
	Total	40	100.0	100.0	

Bahasa Dalam Bilik Kuliah

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	BM	38	95.0	95.0	95.0
	BI	2	5.0	5	100.0
	Total	40	100.0	100.0	

Tahap Penguasaan Bahasa Melayu

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Baik	18	45.0	45.0	45.0
	Sangat Baik	22	55.0	55.0	100.0
	Total	40	100.0	100.0	

Tahap Penguasaan Bahasa Inggeris

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Sederhana	24	60.0	60.0	60.0
	Baik	15	37.5	37.5	97.5
	Sangat Baik	1	2.5	2.5	100.0
	Total	40	100.0	100.0	

Tahap Penguasaan Bahasa Mandarin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Kurang Baik	31	77.5	77.5	77.5
	Sederhana	8	20.0	20.0	97.5
	Baik	1	2.5	2.5	100.0
	Total	40	100.0	100.0	

Minat

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	minat	35	87.5	87.5	87.5
	tiada	5	12.5	12.5	100.0
	Total	40	100.0	100.0	

Galakan Ibubapa

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Galakan ibubapa	5	12.5	12.5	12.5
	tiada	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Ikut Kawan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Ikut kawan	5	12.5	12.5	12.5
	tiada	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Perkembangan Bahasa

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	perkembangan	16	40.0	40.0	40.0
	bahasa	24	60.0	60.0	100.0
	tiada	40	100.0	100.0	
	Total				

Keperluan Pekerjaan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	keperluan pekerjaan	24	60.0	60.0	60.0
	tiada	16	40.0	40.0	100.0
	Total	40	100.0	100.0	

Keperluan Peribadi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	keperluan peribadi	16	40.0	40.0	40.0
	tiada	24	60.0	60.0	100.0
	Total	40	100.0	100.0	

Tahap Minat Terhadap Bahas Mandarin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	minat	21	52.5	52.5	52.5
	sangat minat	19	47.5	47.5	100.0
	Total	40	100.0	100.0	

Ulangkaji:Setiap Hari

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ya	4	10.0	10.0	10.0
	tidak	36	90.0	90.0	100.0
	Total	40	100.0	100.0	

Jikalau Ya

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	kurang drpd 1 jam	1	2.5	2.5	2.5
	1-<2jam	2	5.0	5.0	7.5
	2-<3jam	1	2.5	2.5	10.0
	tidak	36	90.0	90	100.0
	Total	40	100.0	100.0	

Jikalau Tidak

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	seminggu sekali	19	47.5	47.5	47.5
	bila ujian diadakan	17	42.5	42.5	90.0
	ya	4	10.0	10.0	100.0
	Total	40	100.0	100.0	

Pendedahan Bahasa Mandarin di Luar Bilik Kuliah

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ya	35	87.5	87.5	87.5
	tidak	5	12.5	12.5	100.0
	Total	40	100.0	100.0	

Pendedahan melalui TV

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	TV	35	87.5	87.5	87.5
	tiada	5	12.5	12.5	100.0
	Total	40	100.0	100.0	

Pendedahan melalui siaran radio

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	radio	4	10.0	10.0	10.0
	tiada	36	90.0	90.0	100.0
	Total	40	100.0	100.0	

Pendedahan melalui kawan Cina

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	kawan Cina	25	62.5	62.5	62.5
	tiada	15	37.5	37.5	100.0
	Total	40	100.0	100.0	

Pendedahan semasa di kedai

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	kedai	11	27.5	27.5	27.5
	tiada	29	72.5	72.5	100.0
	Total	40	100.0	100.0	

Lain-lain

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	lain2	5	12.5	12.5	12.5
	tiada	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Tahap kesukaran : Suku kata awalan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	4	10.0	10.0	10.0
	Sedikit susah	23	57.5	57.5	67.5
	Susah	11	27.5	27.5	95.0
	Sangat susah	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

Tahap kesukaran : Suku kata akhiran

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	4	10.0	10.0	10.0
	Sedikit susah	22	55.0	55.0	65.0
	Susah	12	30.0	30.0	95.0
	Sangat susah	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

Tahap kesukaran : Nada

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	10	25.0	25.0	25.0
	Sedikit susah	17	42.5	42.5	67.5
	Susah	10	25.0	25.0	92.5
	Sangat susah	3	7.5	7.5	100.0
	Total	40	100.0	100.0	

Suku kata awalan : Bunyi Bibir b,p,m,f

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	18	45.0	45.0	45.0
	Sedikit susah	20	50.0	50.0	95.0
	Susah	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

Suku kata awalan : Bunyi Gigi d,t,n,l

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	17	42.5	42.5	42.5
	Sedikit susah	18	45.0	45.0	87.5
	Susah	5	12.5	12.5	100.0
	Total	40	100.0	100.0	

Suku kata awalan : Bunyi Gutural g,k,h

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	13	32.5	32.5	32.5
	Sedikit susah	19	47.5	47.5	80.0
	Susah	6	15.0	15.0	95.0
	Sangat susah	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

Suku kata awalan : Bunyi Lelangit j,q,x

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	3	7.5	7.5	7.5
	Sedikit susah	19	47.5	47.5	55.0
	Susah	13	32.5	32.5	87.5
	Sangat susah	5	12.5	12.5	100.0
	Total	40	100.0	100.0	

Suku kata awalan : Bunyi Sibilan z,c,s

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	2	5.0	5.0	5.0
	Sedikit susah	10	25.0	25.0	30.0
	Susah	15	37.5	37.5	67.5
	Sangat susah	13	32.5	32.5	100.0
	Total	40	100.0	100.0	

Suku kata awalan : Bunyi Gelungan zh,ch,sh,r

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Sedikit susah	5	12.5	12.5	12.5
	Susah	17	42.5	42.5	55.0
	Sangat susah	18	45.0	45.0	100.0
	Total	40	100.0	100.0	

Kesukaran Antara Bunyi Aspirated & Unaspirated

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	sedikit susah	15	37.5	37.5	37.5
	susah	17	42.5	42.5	80.0
	sangat susah	8	20.0	20.0	100.0
	Total	40	100.0	100.0	

Suku kata akhiran : Vokal Tunggal

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	22	55.0	55.0	55.5
	Sedikit susah	15	37.5	37.5	92.5
	Susah	3	7.5	7.5	100.0
	Total	40	100.0	100.0	

Suku kata akhiran : Vokal Majmuk

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	16	40.0	40.0	40.0
	Sedikit susah	17	42.5	42.5	82.5
	Susah	5	12.5	12.5	95.0
	Sangat susah	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

Suku kata akhiran : Vokal Sengau

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	18	45.0	45.0	45.0
	Sedikit susah	18	45.0	45.0	90.0
	Susah	4	10.0	10.0	100.0
	Total	40	100.0	100.0	

Suku kata akhiran : Vokal Gelungan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	16	40.0	40.0	40.0
	Sedikit susah	15	37.5	37.5	77.5
	Susah	8	20.0	20.0	97.5
	Sangat susah	1	2.5	2.5	100.0
	Total	40	100.0	100.0	

Nada Pertama

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	20	50.0	50.0	50.0
	Sedikit susah	12	30.0	30.0	80.0
	Susah	8	20.0	20.0	100.0
	Total	40	100.0	100.0	

Nada Kedua

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	17	42.5	42.5	42.5
	Sedikit susah	20	50.0	50.0	92.5
	Susah	3	7.5	7.5	100.0
	Total	40	100.0	100.0	

Nada Ketiga

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	19	47.5	47.5	47.5
	Sedikit susah	19	47.5	47.5	95.0
	Susah	2	5.0	5.0	100.0
	Total	40	100.0	100.0	

Nada Keempat

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak susah	24	60.0	60.0	60.0
	Sedikit susah	9	22.5	22.5	82.5
	Susah	7	17.5	17.5	100.0
	Total	40	100.0	100.0	

Lampiran C

LAPORAN ANALISIS
SUKU KATA AWALAN

Bunyi Gelungan "ch"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	z	2	5.0	5.0	5.0
	zh	4	10.0	10.0	15.0
	ce	1	2.5	2.5	17.5
	c	2	5.0	5.0	22.5
	j	2	5.0	5.0	27.5
	q	1	2.5	2.5	30.0
	Betul	28	70.0	70.0	100.0
	Total	40	100.0	100.0	

Bunyi Gelungan "r"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	re	2	5.0	5.0	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

Bunyi Gelungan "zh"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ch	15	37.5	37.5	37.5
	jh	1	2.5	2.5	40.0
	z	5	12.5	12.5	52.5
	x	1	2.5	2.5	55.0
	j	3	7.5	7.5	62.5
	betul	15	37.5	37.5	100.0
	Total	40	100.0	100.0	

Bunyi Gelungan "sh"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ch	1	2.5	2.5	2.5
	zh	1	2.5	2.5	5.0
	x	2	5.0	5.0	10.0
	s	1	2.5	2.5	12.5
	betul	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Bunyi Bibir "m"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n	1	2.5	2.5	2.5
	betul	39	97.5	97.5	100.0
	Total	40	100.0	100.0	

Bunyi Bibir "f"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	betul	40	100.0	100.0	100.0

Bunyi Bibir "p"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	b	3	7.5	7.5	7.5
	betul	37	92.5	92.5	100
	Total	40	100	100	

Bunyi Bibir "b"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	p	6	15.0	15.0	15.0
	betul	34	85.0	85.0	100
	Total	40	100	100	

Bunyi Gigi "t"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	d	9	22.5	22.5	22.5
	betul	31	77.5	77.5	100.0
	Total	40	100.0	100.0	

Bunyi Gigi "n"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	m	9	22.5	22.5	22.5
	betul	31	77.5	77.5	100.0
	Total	40	100.0	100.0	

Bunyi Gigi "l"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	betul	40	100.0	100.0	100.0

Bunyi Gigi "d"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	t	2	5.0	5.0	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

Bunyi Gutural "g"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	k	10	25.0	25.0	25.0
	q	5	12.5	12.5	37.5
	p	1	2.5	2.5	40.0
	betul	24	60.0	60.0	100.0
	Total	40	100.0	100.0	

Bunyi Gutural "h"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	p	4	10.0	10.0	10.0
	ch	1	2.5	2.5	12.5
	betul	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Bunyi Gutural "k"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	d	1	2.5	2.5	2.5
	g	3	7.5	7.5	10
	kh	1	2.5	2.5	12.5
	q	1	2.5	2.5	15.0
	betul	34	85.0	85.0	100.0
	Total	40	100.0	100.0	

Bunyi Gutural "h"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	k	1	2.5	2.5	2.5
	p	1	2.5	2.5	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

Bunyi Lelangit "q"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	j	2	5.0	5.0	5.0
	ch	9	22.5	22.5	27.5
	x	6	15.0	15.0	42.5
	c	3	7.5	7.5	50.0
	z	1	2.5	2.5	52.5
	zh	1	2.5	2.5	55.0
	s	1	2.5	2.5	57.5
	betul	17	42.5	42.5	100.0
	Total	40	100.0	100.0	

Bunyi Lelangit "j"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ch	6	15.0	15.0	15.0
	z	1	2.5	2.5	17.5
	x	2	5.0	5.0	22.5
	c	2	5.0	5.0	27.5
	q	11	27.5	27.5	55.0
	zh	1	2.5	2.5	57.5
	betul	17	42.5	42.5	100.0
	Total	40	100.0	100.0	

Bunyi Lelangit "x"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	s	9	22.5	22.5	22.5
	q	1	2.5	2.5	25.0
	sh	6	15.0	15.0	40.0
	ch	1	2.5	2.5	42.5
	c	1	2.5	2.5	45.0
	betul	22	55.0	55.0	100.0
	Total	40	100.0	100.0	

Bunyi Sibilan "z"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	zh	12	30.0	30.0	30.0
	c	1	2.5	2.5	32.5
	ch	2	5.0	5.0	37.5
	j	1	2.5	2.5	40.0
	betul	24	60.0	60.0	100.0
	Total	40	100.0	100.0	

Bunyi Sibilan "c"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	z	5	12.5	12.5	12.5
	ch	8	20.0	20.0	32.5
	zh	8	20.0	20.0	52.5
	x	3	7.5	7.5	60.0
	t	2	5.0	5.0	65.0
	j	2	5.0	5.0	70.0
	betul	12	30.0	30.0	100.0
	Total	40	100.0	100.0	

Bunyi Sibilan "s"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	x	4	10.0	10.0	10.0
	sh	9	22.5	22.5	32.5
	t	1	2.5	2.5	35.0
	ji	1	2.5	2.5	37.5
	betul	25	62.5	62.5	100.0
	Total	40	100.0	100.0	

Bunyi Gelungan "ch"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	z	2	5.0	5.0	5.0
	zh	5	12.5	12.5	17.5
	ce	1	2.5	2.5	20.0
	c	2	5.0	5.0	25.0
	j	2	5.0	5.0	30.0
	q	1	2.5	2.5	32.5
	betul	27	67.5	67.5	100.0
	Total	40	100.0	100.0	

Bunyi Gelungan "r"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	re	2	5.0	5.0	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

Bunyi Gelungan "zh"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ch	16	40.0	40.0	40.0
	jh	1	2.5	2.5	42.5
	z	5	12.5	12.5	55.0
	x	1	2.5	2.5	57.5
	j	3	7.5	7.5	65.0
	betul	14	35.0	35.0	100.0
	Total	40	100.0	100.0	

Bunyi Gelungan "sh"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ch	1	2.5	2.5	2.5
	zh	1	2.5	2.5	5.0
	x	2	5.0	5.0	10.0
	s	1	2.5	2.5	12.5
	betul	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Lampiran D

KLASIFIKASI
KESILAPAN SUKU KATA AWALAN
BERDASARKAN KESILAPAN
TERKUMPUL UTAMA

**Klasifikasi Kesilapan Mentranskripkan Suku Kata Awalan
Berdasarkan Kesilapan Terkumpul Utama**

Kategori	Kesilapan		
	Suku Kata Awalan	*Bilangan*	*Bilangan Terkumpul*
Kekeliruan antara bunyi *aspirated* dan *unaspirated*	*b-p*	6	
	p-b	3	9
	d-t	2	
	t-d	9	11
	g-k	10	
	k-g	3	13
	j-q	11	
	q-j	2	13
	zh-ch	16	
	ch-zh	5	21
	Jumlah		**67**
Kekeliruan antara bunyi gutural dan bunyi bibir	h-p	5	5
	Jumlah		**5**
Kekeliruan antara bunyi bibir dan bunyi gigi	m-n	1	
	n-m	9	10
	Jumlah		**10**
Kekeliruan antara bunyi lelangit dan bunyi gelungan	q-ch	9	9
	sh-x	2	2
	Jumlah		**11**
Kekeliruan antara bunyi lelangit dan bunyi sibilan	x-s	9	9
	Jumlah		**9**
Kekeliruan antara bunyi sibilan dan bunyi gelungan	z-zh	12	
	zh-z	5	17
	c-ch	8	
	ch-c	2	10
	c-zh	8	8
	s-sh	9	
	sh-s	1	10
	Jumlah		**45**
Kekeliruan di luar pengetahuan	r-re	2	2
	Jumlah		**2**

Lampiran E

LAPORAN ANALISIS
SUKU KATA AKHIRAN

Vokal Tunggal "I"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	e	1	2.5	2.5	2.5
	ie	2	5.0	5.0	7.5
	betul	37	92.5	92.5	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "e>"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ae	7	17.5	17.5	17.5
	aei	2	5.0	5.0	22.5
	eh	3	7.5	7.5	30.0
	a	5	12.5	12.5	42.5
	ai	3	7.5	7.5	50.0
	betul	20	50.0	50.0	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "u"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	eu	1	2.5	2.5	2.5
	''	3	7.5	7.5	10.0
	e	1	2.5	2.5	12.5
	betul	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "e"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	er	3	7.5	7.5	7.5
	en	1	2.5	2.5	10.0
	betul	36	90.0	90.0	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "a"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	e	5	12.5	12.5	12.5
	ar	1	2.5	2.5	15.0
	ea	1	2.5	2.5	17.5
	betul	33	82.5	82.5	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "o"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	uo	19	47.5	47.5	47.5
	oa	4	10.0	10.0	57.5
	ua	2	5.0	5.0	62.5
	betul	15	37.5	37.5	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "v"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ue	3	7.5	7.5	7.5
	ui	1	2.5	2.5	10.0
	''e	1	2.5	2.5	12.5
	ei	1	2.5	2.5	15.0
	betul	34	85.0	85.0	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "-i" depan

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	e	18	45.0	45.0	45.0
	er	3	7.5	7.5	52.5
	he	1	2.5	2.5	55.0
	betul	18	45.0	45.0	100.0
	Total	40	100.0	100.0	

Vokal Tunggal "-i" (belakang)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	e	15	37.5	37.5	37.5
	''1	2	5.0	5.0	42.5
	er	3	7.5	7.5	50.0
	betul	20	50.0	50.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ie"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ei	2	5.0	5.0	5.0
	ea	1	2.5	2.5	7.5
	¨¹	1	2.5	2.5	10.0
	ue	6	15.0	15.0	25.0
	i	1	2.5	2.5	27.5
	¨¹a	1	2.5	2.5	30.0
	betul	28	70.0	70.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ua"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	oa	4	10.0	10.0	10.0
	ou	1	2.5	2.5	12.5
	betul	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ou"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	oa	2	5.0	5.0	5.0
	ao	3	7.5	7.5	12.5
	o	5	12.5	12.5	25.0
	ong	1	2.5	2.5	27.5
	uo	1	2.5	2.5	30.0
	betul	28	70.0	70.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "io"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	oa	2	5.0	5.0	5.0
	ong	1	2.5	2.5	7.5
	ou	18	45.0	45.0	52.5
	o¨¹	1	2.5	2.5	55.0
	uo	1	2.5	2.5	57.5
	betul	17	42.5	42.5	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "iao"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ou	3	7.5	7.5	7.5
	iou	5	12.5	12.5	20.0
	iau	9	22.5	22.5	42.5
	eu	1	2.5	2.5	45.0
	betul	22	55.0	55.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ai"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	i	5	12.5	12.5	12.5
	ei	1	2.5	2.5	15.0
	betul	34	85.0	85.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ao"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ou	8	20.0	20.0	20.0
	oug	1	2.5	2.5	22.5
	au	3	7.5	7.5	30.0
	betul	28	70.0	70.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ve"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	uer	1	2.5	2.5	2.5
	''	4	10.0	10.0	12.5
	betul	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "uei"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	¨¹	1	2.5	2.5	2.5
	ue	8	20.0	20.0	22.5
	ei	1	2.5	2.5	25.0
	ai	1	2.5	2.5	27.5
	ie	1	2.5	2.5	30.0
	eu	1	2.5	2.5	32.5
	uai	1	2.5	2.5	35.0
	betul	26	65.0	65.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ia"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	betul	40	100.0	100.0	100.0

Vokal Majmuk "iou"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	iao	7	17.5	17.5	17.5
	ou	1	2.5	2.5	20.0
	io	10	25.0	25.0	45.0
	iow	1	2.5	2.5	47.5
	iau	1	2.5	2.5	50.0
	u	1	2.5	2.5	52.5
	''	1	2.5	2.5	55.0
	eo	1	2.5	2.5	57.5
	ioa	1	2.5	2.5	60.0
	betul	16	40.0	40.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "ei"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ie	3	7.5	7.5	7.5
	e	1	2.5	2.5	10.0
	ui	1	2.5	2.5	12.5
	ai	3	7.5	7.5	20.0
	betul	32	80.0	80.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "uai"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ui	1	2.5	2.5	2.5
	ai	1	2.5	2.5	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

Vokal Majmuk "uo"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	o	4	10.0	10.0	10.0
	oa	2	5.0	5.0	15.0
	ua	3	7.5	7.5	22.5
	betul	31	77.5	77.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "en"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	eng	2	5.0	5.0	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

Vokal Sengau "van"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	uen	19	47.5	47.5	47.5
	"n	1	2.5	2.5	50.0
	ua	1	2.5	2.5	52.5
	un	2	5.0	5.0	57.5
	ue	1	2.5	2.5	60.0
	betul	16	40.0	40.0	100.0
	Total	40	100.0	100.0	

Vokal Sengau "iang"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ang	4	10.0	10.0	10.0
	betul	36	90.0	90.0	100.0
	Total	40	100.0	100.0	

Vokal Sengau "ong"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	hong	1	2.5	2.5	2.5
	ung	1	2.5	2.5	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

Vokal Sengau "ang"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ung	1	2.5	2.5	2.5
	un	1	2.5	2.5	5.0
	an	4	10.0	10.0	15.0
	betul	34	80.0	80.0	100.0
	Total	40	100.0	100.0	

Vokal Sengau "ing"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	in	6	15.0	15.0	15.0
	en	2	5.0	5.0	20.0
	au	1	2.5	2.5	22.5
	betul	31	77.5	77.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "iong"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	oung	4	10.0	10.0	10.0
	ou	8	20.0	20.0	30.0
	v	1	2.5	2.5	32.5
	uo	2	5.0	5.0	37.5
	betul	25	62.5	62.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "eng"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ung	1	2.5	2.5	2.5
	ong	5	12.5	12.5	15.0
	en	1	2.5	2.5	17.5
	betul	33	82.5	82.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "uang"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	uan	1	2.5	2.5	2.5
	betul	39	97.5	97.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "in"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ing	6	15.0	15.0	15.0
	ieng	3	7.5	7.5	22.5
	en	1	2.5	2.5	25.0
	betul	30	75.0	75.0	100.0
	Total	40	100.0	100.0	

Vokal Sengau "an"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	un	1	2.5	2.5	2.5
	betul	39	97.5	97.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "uan"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	un	3	7.5	7.5	7.5
	an	1	2.5	2.5	10.0
	¨¹n	1	2.5	2.5	12.5
	betul	35	87.5	87.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "ian"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ein	4	10.0	10.0	10.0
	ien	22	55.0	55.0	65.0
	ean	1	2.5	2.5	67.5
	ei	1	2.5	2.5	70.0
	ing	1	2.5	2.5	72.5
	eng	1	2.5	2.5	75.0
	ea	1	2.5	2.5	77.5
	ie	1	2.5	2.5	80.0
	e..n	1	2.5	2.5	82.5
	betul	7	17.5	17.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "vn"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	"en	2	5.0	5.0	5.0
	uen	2	5.0	5.0	10.0
	in	1	2.5	2.5	12.5
	uin	1	2.5	2.5	15.0
	u	1	2.5	2.5	17.5
	ar	1	2.5	2.5	20.0
	uan	1	2.5	2.5	22.5
	betul	31	77.5	77.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "ueng"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	en	1	2.5	2.5	2.5
	betul	39	97.5	97.5	100.0
	Total	40	100.0	100.0	

Vokal Sengau "uen"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	en	14	35.0	35.0	35.0
	uan	8	20.0	20.0	55.0
	''n	1	2.5	2.5	57.5
	ua	1	2.5	2.5	60.0
	betul	16	40.0	40.0	100.0
	Total	40	100.0	100.0	

Vokal Gelungan "er"

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ar	10	25.0	25.0	25.0
	r	6	15.0	15.0	40.0
	a	3	7.5	7.5	47.5
	e	2	5.0	5.0	52.5
	ri	1	2.5	2.5	55.0
	betul	18	45.0	45.0	100.0
	Total	40	100.0	100.0	

Lampiran F

KLASIFIKASI KESILAPAN
SUKU KATA AKHIRAN BERDASARKAN
KESILAPAN TERKUMPUL UTAMA

**Klasifikasi Kesilapan Mentranskripkan Suku Kata Akhiran
Berdasarkan Kesilapan Terkumpul Utama**

Kategori	Kesilapan		
	Suku Kata Akhiran	*Bilangan*	*Bilangan Terkumpul*
Kekeliruan antara vokal tunggal	a-e	5	5
	u-ü	3	3
	-i [ɿ] -e	18	18
	-i [ʅ]-e	15	15
	Jumlah		**41**
Kekeliruan antara vokal tunggal & Majmuk	o-uo	19	
	uo-o	4	
			23
	ou-o	5	5
	i-ie	2	2
	ü-ue	3	3
	üe-ü	4	4
	ai-i	5	5
	Jumlah		**42**
Kekeliruan antara vokal tunggal & gelungan	e-er	3	3
	Jumlah		**3**
Kekeliruan antara vokal sengau & vokal Majmuk	iong-ou	8	8
	Jumlah		**8**

Kategori	Kesilapan		
	Suku Kata Akhiran	*Bilangan*	*Bilangan Terkumpul*
Kekeliruan dalam vokal majmuk	ao-ou	8	8
	ei-ai	3	3
	ei-ie	3	3
	ie-ue	6	6
	uai-ai	1	1
	uai-ui	1	1
	uei-ue	8	8
	Jumlah		**30**
Kekeliruan dalam vokal sengau	an-un	1	1
	eng-ong	5	5
	ün-üen	2	2
	ün-uen	2	2
	iang-ang	4	4
	uan-un	3	3
	uen-en	14	14
	ueng-en	1	1
	üan-uen	19	19
	Jumlah		**51**

Kategori	Kesilapan		
	Suku Kata Akhiran	*Bilangan*	*Bilangan Terkumpul*
	ang-an	4	4
Kekeliruan antara vokal sengau depan & belakang	en-eng	2	2
	in-ing ing-in	6 6	12
	uang-uan	1	1
	Jumlah		**19**
	iou-io	10	10
Kekeliruan di luar pengetahuan	ua-oa	4	4
	ong-hong	1	1
	ong-ung	1	1
	er-ar	10	10
	iao-iau	9	9
	ian-ien	22	22
	ê-ae	7	7
	Jumlah		**64**

Lampiran G

LAPORAN ANALISIS
NADA BAHASA MANDARIN

N1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	1	2.5	2.5	2.5
	n2	6	15.0	15.0	17.5
	n4	3	7.5	7.5	25.0
	betul	30	75.0	75.0	100.0
	Total	40	100.0	100.0	

N1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	4	10.0	10.0	10.0
	neutral	2	5.0	5.0	15.0
	betul	34	85.0	85.0	100.0
	Total	40	100.0	100.0	

N1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	16	40.0	40.0	40.0
	n3	3	7.5	7.5	47.5
	n4	1	2.5	2.5	50.0
	betul	20	50.0	50.0	100.0
	Total	40	100.0	100.0	

N1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	3	7.5	7.5	7.5
	n4	1	2.5	2.5	10.0
	betul	36	90.0	90.0	100.0
	Total	40	100.0	100.0	

N1

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	5	12.5	12.5	12.5
	n4	4	10.0	10.0	22.5
	neutral	1	2.5	2.5	25.0
	betul	30	75.0	75.0	100.0
	Total	40	100.0	100.0	

N2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	10	25.0	25.0	25.0
	betul	30	75.0	75.0	100.0
	Total	40	100.0	100.0	

N2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	5	12.5	12.5	12.5
	n3	3	7.5	7.5	20.0
	n4	1	2.5	2.5	22.5
	betul	31	77.5	77.5	100.0
	Total	40	100.0	100.0	

N2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	16	40.0	40.0	40.0
	n3	1	2.5	2.5	42.5
	n4	3	7.5	7.5	50.0
	neutral	2	5.0	5.0	55.0
	betul	18	45.0	45.0	100.0
	Total	40	100.0	100.0	

N2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	11	27.5	27.5	27.5
	n4	2	5.0	5.0	32.5
	neutral	1	2.5	2.5	35.0
	betul	26	65.0	65.0	100.0
	Total	40	100.0	100.0	

N2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	4	10.0	10.0	10.0
	n3	3	7.5	7.5	17.5
	n4	3	7.5	7.5	25.0
	betul	30	75.0	75.0	100.0
	Total	40	100.0	100.0	

N3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	betul	40	100.0	100.0	100.0
	Total				

N3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n4	1	2.5	2.5	2.5
	betul	39	97.5	97.5	100.0
	Total	40	100.0	100.0	

N3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	1	2.5	2.5	2.5
	n2	1	2.5	2.5	5.0
	n4	1	2.5	2.5	7.5
	betul	37	92.5	92.5	100.0
	Total	40	100.0	100.0	

N3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	1	2.5	2.5	2.5
	n4	1	2.5	2.5	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

N3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	1	2.5	2.5	2.5
	betul	39	97.5	97.5	100.0
	Total	40	100.0	100.0	

N4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	2	5.0	5.0	5.0
	betul	38	95.0	95.0	100.0
	Total	40	100.0	100.0	

N4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	2	5.0	5.0	5.0
	n2	5	12.5	12.5	17.5
	n3	3	7.5	7.5	25.0
	betul	30	75.0	75.0	100.0
	Total	40	100.0	100.0	

N4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	9	22.5	22.5	22.5
	n3	1	2.5	2.5	25.0
	betul	30	75.0	75.0	100.0
	Total	40	100.0	100.0	

N4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n2	3	7.5	7.5	7.5
	betul	37	92.5	92.5	100.0
	Total	40	100.0	100.0	

N4

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	n1	2	5.0	5.0	5.0
	n2	6	15.0	15.0	20.0
	betul	32	80.0	80.0	100.0
	Total	40	100.0	100.0	

Lampiran H

KESILAPAN TERKUMPUL UNTUK NADA BAHASA MANDARIN

Nada 1	Kesilapan Terkumpul					Jumlah	Peratusan (%)
	S1	S2	S3	S4	S5		
1 → 2	6	4	16	3	5	34	68.0
1 → 3	0	0	3	0	0	3	6.0
1 → 4	3	0	1	1	4	9	18.0
1 → 0	1	2	0	0	1	4	8.0
Jumlah	10	6	20	4	10	50	100
Peratusan (%)	20.0	12.0	40.0	8.0	20.0	100	

Kesilapan Terkumpul Untuk Nada Pertama

Nada 2	Kesilapan Terkumpul					Jumlah	Peratusan (%)
	S1	S2	S3	S4	S5		
2 → 1	10	5	16	11	4	46	70.8
2 → 3	0	3	1	0	3	7	10.8
2 → 4	0	1	3	2	3	9	13.8
2 → 0	0	0	2	1	0	3	4.6
Jumlah	10	9	22	14	10	65	100
Peratusan (%)	15.4	13.8	33.8	21.5	15.4	100	

Kesilapan Terkumpul Untuk Nada Kedua

Nada 3	Kesilapan Terkumpul					Jumlah	Peratusan (%)
	S1	S2	S3	S4	S5		
3 → 1	0	0	1	0	0	1	14.3
3 → 2	0	0	1	1	1	3	42.9
3 → 4	0	1	1	1	0	3	42.9
3 → 0	0	0	0	0	0	0	0.0
Jumlah	0	1	3	2	1	7	100
Peratusan (%)	0	14.3	42.9	28.6	14.3	100	

Kesilapan Terkumpul Untuk Nada Ketiga

Nada 4	Kesilapan Terkumpul					Jumlah	Peratusan (%)
	S1	S2	S3	S4	S5		
4 → 1	0	2	0	0	2	4	12.1
4 → 2	2	5	9	3	6	25	75.8
4 → 3	0	3	1	0	0	4	12.1
4→ 0	0	0	0	0	0	0	0.0
Jumlah	2	10	10	3	8	33	100
Peratusan (%)	6.1	30.3	30.3	9.1	24.2	100	

Kesilapan Terkumpul Untuk Nada Keempat

Lampiran I

PUNCA KESILAPAN
FONETIK BAHASA MANDARIN

Punca Kesilapan Suku Kata Awalan Bahasa Mandarin
Dalam Aspek Kemahiran Mendengar

BUNYI BIBIR	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
b	0	0	5	0	1	6
Peratus (%)	0	0	83.3	0	16.7	100
p	0	0	2	0	1	3
Peratus (%)	0	0	66.7	0	33.3	100
m	0	0	0	0	1	1
Peratus (%)	0	0	0	0	100	100
Juamlah	**0**	**0**	**7**	**0**	**3**	**10**

BUNYI GIGI	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
d	0	0	2	0	0	**2**
Peratus (%)	0	0	100	0	0	100
t	1	0	8	0	0	**9**
Peratus (%)	11.1	0	88.9	0	0	100
n	0	0	2	0	7	**9**
Peratus (%)	0	0	22.2	0	77.8	100
Jumlah	**1**	**0**	**12**	**0**	**7**	**20**

BUNYI GUTURAL	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
g	4	1	8	0	3	**16**
Peratus (%)	25.0	6.3	50.0	0	18.8	100
k	3	0	2	0	1	**6**
Peratus (%)	50.0	0	33.3	0	16.7	100
h1	0	0	0	0	5	**5**
Peratus (%)	0	0	0	0	100	100
h2	0	0	1	0	1	**2**
Peratus (%)	0	0	50.0	0	50.0	100
Jumlah	**7**	**1**	**11**	**0**	**10**	**29**

BUNYI LELANGIT	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
j	5	0	15	1	2	**23**
Peratus (%)	21.7	0.0	65.2	4.3	8.7	100
q	11	1	10	0	1	**23**
Peratus (%)	47.8	4.4	43.5	0.0	4.4	100
x	14	0	1	2	1	**18**
Peratus (%)	77.8	0.0	5.6	11.1	5.6	100
Jumlah	**30**	**1**	**26**	**3**	**4**	**64**

BUNYI SIBILAN	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
z	2	0	14	0	0	**16**
Peratus (%)	12.5	0.0	87.5	0.0	0.0	100
c	3	2	17	3	3	**28**
Peratus (%)	10.7	7.1	60.7	10.7	10.7	100
s	1	0	11	1	2	**15**
Peratus (%)	6.7	0.0	73.3	6.7	13.3	100
Jumlah	**6**	**2**	**42**	**4**	**5**	**59**

BUNYI GELUNGAN	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
zh	0	0	25	0	1	**26**
Peratus (%)	0.0	0.0	96.2	0.0	3.8	100
ch	1	0	11	0	1	**13**
Peratus (%)	7.7	0.0	84.6	0.0	7.7	100
sh	1	0	4	0	0	**5**
Peratus (%)	20.0	0.0	80.0	0.0	0.0	100
r	0	0	2	0	0	**2**
Peratus (%)	0.0	0.0	100.0	0.0	0.0	100
Jumlah	**2**	**0**	**42**	**0**	**2**	**46**

Punca Kesilapan Suku Kata Akhiran Bahasa Mandarin
Dalam Aspek Kemahiran Mendengar

VOKAL TUNGGAL	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
a	0	0	1	3	3	**7**
Peratus (%)	0.0	0.0	14.3	42.9	42.9	100
o	13	0	8	1	3	**25**
Peratus (%)	52.0	0.0	32.0	4.0	12.0	100
e	0	1	0	0	3	**4**
Peratus (%)	0.0	25.0	0.0	0.0	75.0	100
ê	4	11	1	2	2	**20**
Peratus (%)	20.0	55.0	5.0	10.0	10.0	100
i	0	0	1	1	1	**3**
Peratus (%)	0.0	0.0	33.3	33.3	33.3	100
-i [ɿ]	14	1	4	2	1	**22**
Peratus (%)	63.6	4.5	18.2	9.0	4.5	100
-i [ʅ]	8	1	5	5	1	**20**
Peratus (%)	40.0	5.0	25.0	25.0	5.0	100
u	1	0	1	1	2	**5**
Peratus (%)	20.0	0.0	20.0	20.0	40.0	100
ü	1	0	1	3	1	**6**
Peratus (%)	16.7	0.0	16.7	50.0	16.7	100
Jumlah	**41**	**14**	**22**	**18**	**17**	**112**

VOKAL MAJMUK	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
ai	3	1	0	2	0	**6**
Peratus (%)	50.0	16.7	0.0	33.3	0.0	100
ao	7	0	4	0	1	**12**
Peratus (%)	58.3	0.0	33.3	0.0	8.3	100
ei	0	1	2	2	3	**8**
Peratus (%)	0.0	12.5	25.0	25.0	37.5	100
ie	1	0	7	1	3	**12**
Peratus (%)	8.3	0.0	58.3	8.3	25.0	100
iao	10	0	4	3	1	**18**
Peratus (%)	55.6	0.0	22.2	16.7	5.6	100
iou	11	2	2	6	3	**24**
Peratus (%)	45.8	8.3	8.3	25.0	12.5	100
ou	3	1	4	3	1	**12**
Peratus (%)	25.0	8.3	33.3	25.0	8.3	100
ua	3	0	1	1	0	**5**
Peratus (%)	60.0	0.0	20.0	20.0	0.0	100
uo	3	0	3	2	1	**9**
Peratus (%)	33.3	0.0	33.3	22.2	11.1	100
uai	1	0	1	0	0	**2**
Peratus (%)	50.0	0.0	50.0	0.0	0.0	100
uei	8	0	1	5	0	**14**
Peratus (%)	57.1	0.0	7.1	35.7	0.0	100
üe	1	0	1	1	2	**5**
Peratus (%)	20.0	0.0	20.0	20.0	40.0	100
Jumlah	**51**	**5**	**30**	**26**	**15**	**127**

VOKAL SENGAU	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
an	0	0	1	0	0	**1**
Peratus (%)	0.0	0.0	100	0.0	0.0	100
ang	0	1	2	0	3	**6**
Peratus (%)	0.0	16.6	33.3	0.0	50.0	100
en	0	0	1	0	1	**2**
Peratus (%)	0.0	0.0	50.0	0.0	50.0	100
eng	1	0	3	1	2	**7**
Peratus (%)	14.3	0.0	42.9	14.3	28.6	100
in	1	0	3	1	5	**10**
Peratus (%)	10.0	0.0	30.0	10.0	50.0	100
ing	0	1	3	0	5	**9**
Peratus (%)	0.0	11.1	33.3	0.0	55.6	100
ian	22	1	4	5	1	**33**
Peratus (%)	66.7	3.0	12.1	15.2	3.0	100
iang	2	0	1	0	1	**4**
Peratus (%)	50.0	0.0	25.0	0.0	25.0	100
iong	8	0	1	2	4	**15**
Peratus (%)	53.3	0.0	6.7	13.3	26.7	100
ong	2	0	0	0	0	**2**
Peratus (%)	100	0.0	0.0	0.0	0.0	100
uan	3	0	1	1	0	**5**
Peratus (%)	60.0	0.0	20.0	20.0	0.0	100
uang	0	0	0	0	1	**1**
Peratus (%)	0	0	0	0	100	100
uen	6	2	5	6	5	**24**
Peratus (%)	25.0	8.3	20.8	25.0	20.8	100
ueng	0	0	1	0	0	**1**
Peratus (%)	0.0	0.0	100	0.0	0.0	100
ün	5	0	0	4	0	**9**
Peratus (%)	55.6	0.0	0.0	44.4	0.0	100
üan	17	1	4	1	1	**24**
Peratus (%)	70.8	4.2	16.7	4.2	4.2	100
Jumlah	**67**	**6**	**30**	**21**	**29**	**153**

VOKAL GELUNGAN	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
er	12	3	0	6	1	**22**
Peratus (%)	54.5	13.6	0.0	27.3	4.5	100
Jumlah	**12**	**3**	**0**	**6**	**1**	**22**

Punca Kesilapan Nada Bahasa Mandarin Dalam Aspek Kemahiran Mendengar

Nada	PUNCA KESILAPAN					
	1	**2**	**3**	**4**	**5**	**JUMLAH**
1	5	2	31	5	7	**50**
Peratus (%)	10.0	4.0	62.0	10.0	14.0	100
2	0	2	40	6	17	**65**
Peratus (%)	0.0	3.1	61.5	9.2	26.2	100
3	0	0	4	1	2	**7**
Peratus (%)	0.0	0.0	57.1	14.3	28.6	100
4	7	0	15	5	6	**33**
Peratus (%)	21.2	0.0	45.5	15.2	18.2	100
Jumlah	**12**	**4**	**90**	**17**	**32**	**155**

Lampiran J

CONTOH BORANG
PUNCA KESILAPAN
&
JAWAPAN
UJIAN MENDENGAR 1 & 2