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LAMPIRAN

Lampiran 1. Ethical Clearance

	<p>KOMISI ETIK PENELITIAN KESEHATAN (KEPK) FAKULTAS KEDOKTERAN UNIVERSITAS DIPONEGORO DAN RSUP dr KARIADI SEMARANG Sekretariat : Kantor Dekanat FK Undip Lt.3 Jl. Dr. Soetomo 18. Semarang Telp/Fax. 024-8318350</p>	
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ETHICAL CLEARANCE
No. 125/EC/FK-RSDK/2015

Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro-RSUP. Dr. Kariadi Semarang, setelah membaca dan menelaah Usulan Penelitian dengan judul :

**HUBUNGAN KADAR TIROIT DENGAN GANGGUAN
PENDENGARAN PADA ANAK SINDROM DOWN**

Peneliti Utama : **Irwan Arif Margono**

Pembimbing : 1. dr. Asri Purwanti, Sp. A(K), M.Pd
2. dr. Pujo Widodo, Sp. THT-KL

Penelitian : Dilaksanakan di RSUP Dr. Kariadi Semarang

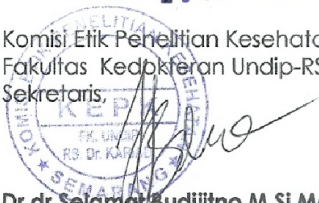
Setuju untuk dilaksanakan, dengan memperhatikan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki 1975, yang diamended di Seoul 2008 dan Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI 2011

Penelitian ini adalah Rekam Medik, jadi tidak memerlukan Informed Consent Peneliti diwajibkan menyerahkan :

- Laporan kemajuan penelitian (*clinical trial*)
- Laporan kejadian efek samping jika ada
- Laporan ke KEPK jika penelitian sudah selesai & dilampiri Abstrak Penelitian

Semarang, **20 MAR 2015**

Komisi Etik Penelitian Kesehatan
Fakultas Kedokteran Undip-RS. Dr. Kariadi
Sekretaris:


Dr. dr. Selamat Budijitno, M.Si.Med.Sp.B,Sp.B(K),Onk,FICS
NIP. 19710807 200812 1 001

Lampiran 2. Surat Izin Melaksanakan Penelitian



KEMENTERIAN KESEHATAN RI DIREKTORAT JENDERAL BINA UPAYA KESEHATAN RUMAH SAKIT UMUM PUSAT DOKTER KARIADI

Jl. Dr. Sutomo No. 16 Semarang, PO Box 1104

Telepon : (024) 8413993, 8413476, 8413764 Fax : (024) 8318617

Website : <http://www.rskariadi.co.id> email : humas_rskariadi@yahoo.co.id, rsdk@indosat.net.id



SURAT IZIN MELAKSANAKAN PENELITIAN

DL.00.02 / I.II / 1331 / 2015

Yang bertanda tangan di bawah ini :

Nama : Dr. Darwito, SH, Sp.B, SpB(K), Onk
N I P : 19600203 198803 1 003
Jabatan : Direktur Umum & Operasional RSUP Dr. Kariadi

Memberikan ijin melakukan penelitian untuk :

Nama peneliti : Irwan Arif Margono
Pembimbing : 1. Dr. dr Asri Purwanti, Sp.A(K), M.Pd
2. dr Pujo Widodo Sp. THT-KL

Institusi peneliti : FK UNDIP

Judul penelitian : Hubungan Kadar Tiroid dengan Gangguan Pendengaran pada Anak Sindrom Down

Lokasi penelitian : Instalasi Rekam Medis

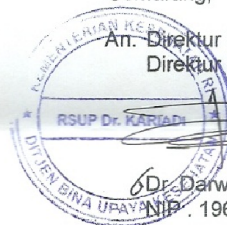
Untuk melaksanakan kegiatan penelitian selama 2 bulan, terhitung mulai sejak diterbitkannya surat ijin penelitian ini.

Peneliti wajib melakukan :

1. Informed Consent dilampirkan pada rekam medis responden
2. Laporan monitoring evaluasi penelitian secara periodik
3. Laporan selesai penelitian dengan menyerahkan monitoring evaluasi penelitian
4. Menyerahkan laporan hasil akhir penelitian (1 berkas)

Semarang, 06 MAY 2015

An. Direktur Utama
Direktur Umum & Operasional



Dr. Darwito, SH, Sp.B, SpB(K), Onk
NIP. 19600203 198803 1 003

Lampiran 3. Hasil analisis statistik

Statistics

		Jenis kelamin	Usia (bulan)	kelompok usia
N	Valid	32	32	32
	Missing	0	0	0

Jenis kelamin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Perempuan	13	40,6	40,6	40,6
	Laki-laki	19	59,4	59,4	100,0
	Total	32	100,0	100,0	

Usia (bulan)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	2	6,3	6,3	6,3
	2	1	3,1	3,1	9,4
	3	1	3,1	3,1	12,5
	4	4	12,5	12,5	25,0
	5	3	9,4	9,4	34,4
	6	3	9,4	9,4	43,8
	7	1	3,1	3,1	46,9
	9	3	9,4	9,4	56,3
	10	1	3,1	3,1	59,4
	13	1	3,1	3,1	62,5
	14	2	6,3	6,3	68,8
	17	1	3,1	3,1	71,9
	23	1	3,1	3,1	75,0
	25	2	6,3	6,3	81,3
	26	1	3,1	3,1	84,4
	30	1	3,1	3,1	87,5
	39	1	3,1	3,1	90,6
40	1	3,1	3,1	93,8	
44	1	3,1	3,1	96,9	

45	1	3,1	3,1	100,0
Total	32	100,0	100,0	

Kelompok usia

	Frequency	Percent	Valid Percent	Cumulative Percent
<1 tahun	19	59,4	59,4	59,4
Valid >=1tahun	13	40,6	40,6	100,0
Total	32	100,0	100,0	

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Usia (bulan)	32	100,0%	0	0,0%	32	100,0%

Descriptives

		Statistic	Std. Error
Usia (bulan)	Mean	14,22	2,349
	95% Confidence Interval for Mean		
	Lower Bound	9,43	
	Upper Bound	19,01	
	5% Trimmed Mean	13,26	
	Median	9,00	
	Variance	176,499	
	Std. Deviation	13,285	
	Minimum	1	
	Maximum	45	
	Range	44	
	Interquartile Range	20	
	Skewness	1,169	,414
	Kurtosis	,207	,809

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
Usia (bulan)	,218	32	,000	,824	32	,000

a. Lilliefors Significance Correction

Diagnosis Tiroid

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Eutiroid	12	37,5	37,5	37,5
Valid Hipotiroid	20	62,5	62,5	100,0
Total	32	100,0	100,0	

fungsi pendengaran

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Normal	11	34,4	34,4	34,4
Valid Abnormal	21	65,6	65,6	100,0
Total	32	100,0	100,0	

Gangguan Pendengaran

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Normal	24	37,5	37,5	37,5
Valid Abnormal	40	62,5	62,5	100,0
Total	64	100,0	100,0	

Tipe Gangguan Pendengaran

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid CHL	14	21,9	35,0	35,0
Valid SNHL	26	40,6	65,0	100,0
Total	40	62,5	100,0	
Missing System	24	37,5		
Total	64	100,0		

Statistics

		CHL (dB)	SNHL (dB)
N	Valid	11	25
	Missing	15	1
Mean		55,45	46,00
Median		60,00	40,00
Std. Deviation		18,635	20,207

CHL (dB)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	30	1	3,8	9,1	9,1
	40	4	15,4	36,4	45,5
	60	2	7,7	18,2	63,6
	70	3	11,5	27,3	90,9
	90	1	3,8	9,1	100,0
	Total	11	42,3	100,0	
Missing	System	15	57,7		
Total		26	100,0		

SNHL (dB)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	30	9	34,6	36,0	36,0
	40	7	26,9	28,0	64,0
	50	4	15,4	16,0	80,0
	60	1	3,8	4,0	84,0
	70	2	7,7	8,0	92,0
	100	2	7,7	8,0	100,0
Total		25	96,2	100,0	
Missing	System	1	3,8		
Total		26	100,0		

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Diagnosis Tiroid * fungsi pendengaran	32	100,0%	0	0,0%	32	100,0%

Diagnosis Tiroid * fungsi pendengaran Crosstabulation

		fungsi pendengaran		Total	
		Normal	Abnormal		
Diagnosis Tiroid	Eutiroid	Count	6	6	12
		Expected Count	4,1	7,9	12,0
	Hipotiroid	Count	5	15	20
		Expected Count	6,9	13,1	20,0
Total		Count	11	21	32
		Expected Count	11,0	21,0	32,0

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,078 ^a	1	,149	,250	,145
Continuity Correction ^b	1,117	1	,290		
Likelihood Ratio	2,055	1	,152		
Fisher's Exact Test					
Linear-by-Linear Association	2,013	1	,156		
N of Valid Cases	32				

a. 1 cells (25,0%) have expected count less than 5. The minimum expected count is 4,13.

b. Computed only for a 2x2 table

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Diagnosis Tiroid * gangguan pendengaran	64	100,0%	0	0,0%	64	100,0%

Diagnosis Tiroid * gangguan pendengaran Crosstabulation

			gangguan pendengaran		Total
			Normal	Abnormal	
Diagnosis Tiroid	Eutiroid	Count	13	11	24
		Expected Count	9,0	15,0	24,0
	Hipotiroid	Count	11	29	40
		Expected Count	15,0	25,0	40,0
Total	Count	24	40	64	
	Expected Count	24,0	40,0	64,0	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	4,551 ^a	1	,033	,061	,031
Continuity Correction ^b	3,484	1	,062		
Likelihood Ratio	4,522	1	,033		
Fisher's Exact Test					
Linear-by-Linear Association	4,480	1	,034		
N of Valid Cases	64				

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 9,00.

b. Computed only for a 2x2 table

Symmetric Measures

		Value	Asymp. Std. Error ^a	Approx. T ^b	Approx. Sig.
Interval by Interval	Pearson's R	,267	,123	2,179	,033 ^c
Ordinal by Ordinal	Spearman Correlation	,267	,123	2,179	,033 ^c
N of Valid Cases		64			

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

c. Based on normal approximation.

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Diagnosis Tiroid * Tipe kelainan	40	62,5%	24	37,5%	64	100,0%

Diagnosis Tiroid * Tipe kelainan Crosstabulation

		Tipe kelainan		Total	
		CHL	SNHL		
Diagnosis Tiroid	Eutiroid	Count	8	3	11
		Expected Count	3,9	7,2	11,0
	Hipotiroid	Count	6	23	29
		Expected Count	10,2	18,9	29,0
Total		Count	14	26	40
		Expected Count	14,0	26,0	40,0

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	9,493 ^a	1	,002	,007	,004
Continuity Correction ^b	7,343	1	,007		
Likelihood Ratio	9,335	1	,002		
Fisher's Exact Test					
Linear-by-Linear Association	9,255	1	,002		
N of Valid Cases	40				

a. 1 cells (25,0%) have expected count less than 5. The minimum expected count is 3,85.

b. Computed only for a 2x2 table

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Jenis kelamin * fungsi pendengaran	32	100,0%	0	0,0%	32	100,0%

usia 1 tahunan * fungsi pendengaran	32	100,0%	0	0,0%	32	100,0%
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Crosstab

		fungsi pendengaran		Total	
		Normal	Abnormal		
Jenis kelamin	Perempuan	Count	6	7	13
		Expected Count	4,5	8,5	13,0
	Laki-laki	Count	5	14	19
		Expected Count	6,5	12,5	19,0
Total		Count	11	21	32
		Expected Count	11,0	21,0	32,0

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1,347 ^a	1	,246	,283	,217
Continuity Correction ^b	,611	1	,435		
Likelihood Ratio	1,338	1	,247		
Fisher's Exact Test					
Linear-by-Linear Association	1,305	1	,253		
N of Valid Cases	32				

a. 1 cells (25,0%) have expected count less than 5. The minimum expected count is 4,47.

b. Computed only for a 2x2 table

Crosstab

		fungsi pendengaran		Total	
		Normal	Abnormal		
usia 1 tahunan	<1 tahun	Count	4	15	19
		Expected Count	6,5	12,5	19,0
	>=1tahun	Count	7	6	13
		Expected Count	4,5	8,5	13,0
Total		Count	11	21	32
		Expected Count	11,0	21,0	32,0

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	3,680 ^a	1	,055		
Continuity Correction ^b	2,370	1	,124		
Likelihood Ratio	3,682	1	,055		
Fisher's Exact Test				,072	,062
Linear-by-Linear Association	3,565	1	,059		
N of Valid Cases	32				

a. 1 cells (25,0%) have expected count less than 5. The minimum expected count is 4,47.

b. Computed only for a 2x2 table

Lampiran 4. Dokumentasi penelitian



Gambar 9. Pengambilan data catatan medis

Lampiran 5. Biodata mahasiswa**Identitas**

Nama : Irwan Arif Margono

NIM : 22010111130066

Tempat Lahir : Brebes

Tanggal Lahir : 14 Mei 1993

Jenis Kelamin : Laki-laki

Alamat : Jalan Plang RT1 RW1, Sidamulya, Buniwah, Kec. Sirampog,
Brebes

Nomor HP : 085291379164

Email : margonoirwan@gmail.com

Riwayat Pendidikan Formal

1. SD : SD Negeri Mendala 02 Lulus tahun : 2005
2. SMP : SMP Negeri 1 Sirampog Lulus tahun : 2008
3. SMA : SMA Negeri 1 Purwokerto Lulus tahun : 2011
4. S1 : Pendidikan Dokter Fakultas Kedokteran
Universitas Diponegoro Masuk tahun : 2011

Keanggotaan Organisasi

1. HIMA KU Universitas Diponegoro Tahun 2011-2013
2. ROHIS Fakultas Kedokteran Universitas Diponegoro Tahun 2011-2013
3. Asy-Syifa Medical Team 2013-sekarang