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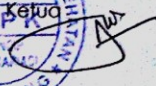
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
Lampiran 1. Ethical Clearance

	<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 50231 Telp/Fax. 024-8318350</p>	
<p>ETHICAL CLEARANCE No. 173 /EC/FK-RSDK/2014</p>		
<p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Universitas Diponegoro/ RSUP Dr. Kariadi Semarang, setelah membaca dan menelaah Usulan Penelitian dengan judul :</p>		
<p>HUBUNGAN INDEKS ERITROSIT DAN KADAR HEMOGLOBIN TERHADAP LOKASI TUMOR PADA PASIEN KANKER KOLOREKTAL DI RSUP DR. KARIADI</p>		
Peneliti Utama :	Muhammad Rizqhan	
Pembimbing :	1. dr. Eka Yudhanto, M.Si.Med.Sp.B.,Sp.B(K)Onk 2. dr. Hermawan Istiadi, M.Si.Med	
Penelitian :	Dilaksanakan di Instalasi Rekam Medik RSUP Dr. Kariadi Semarang	
<p>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</p>		
<p>Peneliti harus melampirkan 2 kopi lembar Informed consent yang telah disetujui dan ditandatangani oleh peserta penelitian pada laporan penelitian. Peneliti diwajibkan menyerahkan :</p> <ul style="list-style-type: none"> - Laporan kemajuan penelitian (clinical Trial) - Laporan kejadian efek samping jika ada ✓ - Laporan ke KEPK jika penelitian sudah selesai & dilampiri Abstrak Penelitian. 		
<p>Semarang, 23 APR 2014</p>		
<p>Komisi Etik Penelitian Kesehatan Fakultas Kedokteran Undip-RSUP Dr. Kariadi Ketua</p>		
<p> Prof. Dr. dr. Suprihati, M.Sc, Sp.THT-KL(K) NIP. 19500621197703 2 001</p>		

Lampiran 2. Ijin Penelitian



KEMENTERIAN KESEHATAN RI
DIREKTORAT JENDERAL BINA UPAYA KESEHATAN
RUMAH SAKIT UMUM PUSAT DOKTER KARIADI
 Jalan Dr. Sutomo No. 16 Semarang, PO BOX 1104
 Telepon : (024) 8413993, 8413476, 8413764 Fax : (024) 8318617
 Website : <http://www.rskariadi.com> email : rsdk@indosat.net.id ; rsdk@rskariadi.com



RSUP Dr. KARIADI
 Sehat Hati Sehat

SURAT -IZIN
MELAKSANAKAN PENELITIAN
 DL.00.02 / 1.II / 1255 / 2014

Yang bertanda tangan di bawah ini :

Nama : Dr. Agus Suryanto, Sp.PD-KP, MARS
 N I P : 19610818 198812 1001
 Jabatan : Direktur SDM dan Pendidikan RSUP Dr. Kariadi

Memberikan ijin melakukan penelitian untuk :

Nama peneliti : Muhammad Rizqhan
 Institusi peneliti : Universitas Diponegoro (Fakultas Kedokteran)
 Judul penelitian : Hubungan Indeks Eritrosit dan Kadar Hemoglobin Terhadap Lokasi Tumor Pada Pasien Kanker Kolorektal di RSUP Dr. Kariadi

Pembimbing I : dr. Eka Yudhanto, M.Si.Med, Sp.B(K)Onk
 II : dr. Hermawan Istiadi, M.Si.Med
 DPJP : -


Lokasi penelitian : Instalasi Rekam Medis
 untuk melaksanakan kegiatan penelitian selama ±2 bulan.

Peneliti wajib melakukan :

1. Laporan monitoring evaluasi penelitian secara periodik
2. Laporan selesai penelitian dengan menyerahkan monitoring evaluasi penelitian
3. Menyerahkan laporan hasil akhir penelitian (1 berkas)

Semarang, 19 MAY 2014

An. Direktur Utama
 Direktur SDM dan Pendidikan



Dr. Agus Suryanto, Sp.PD-KP, MARS
 NIP. 19610818 198812 1 001

CUM 00010
KSO

Telepon langsung Paviliun Garuda : 024-8453710, Instalasi Penyakit Jantung : 024-8453234
 Instalasi Geriatri : 024-8450801, Instalasi Gawat Darurat : 024-8414281

Lampiran 3. Spreadsheet data

No	Nomor Cm	Usia	L/P	Hb	MCH	MCV	MCHC	Lokasi Lesi
1	C4044816	53	P	10	21.1	73.8	28.6	Colon descenden
2	C304688	38	L	8.7	23.1	77.7	29.7	Colon Transversum
3	A203956	56	P	12.6	28.2	81.4	34.6	Colon Transversum
4	C360377	40	P	10.92	30.32	87.6	34.61	Rectosigmoid
5	C351696	61	L	11	29.9	93	32.1	Colon Transversum
6	C381057	33	L	13.48	28.36	86.34	32.84	Rectum
7	C013636	74	L	14.6	27.3	93.6	35.2	Rectum
8	C315729	64	L	13.5	29.3	85.6	34.2	Sigmoid
9	C349237	50	P	9.51	24.9	81.3	30.6	Rectum
10	C149608	54	L	14	29.7	86.9	34.1	Sigmoid
11	C344466	45	L	8.2	23	72.4	31.8	Colon Ascenden
12	C298658	30	L	9.1	20.3	67.6	30	Colon Descenden
13	C350118	56	P	12.9	27.9	85.7	32.6	Colon Sigmoid
14	C357498	67	L	9.9	26.8	82.1	32.7	Rectosigmoid
15	C395644	47	P	11.59	27.2	84.46	32.21	Colon Descenden
16	C422563	52	L	12.7	29.8	87.3	33.1	Colon Transversum
17	C403322	49	P	12.5	26	83.5	32.2	Colon Descenden
18	C7014417	32	L	9.2	21.3	71.1	30	Rectum
19	C326915	75	P	15.43	19.07	86.09	33.77	Sigmoid
20	C450652	52	P	8.7	25.8	73	33.5	Rectum
21	C401778	65	P	12	25.95	77.93	33.31	Colon Ascenden
22	C431210	48	L	8.9	25.7	78.3	32.8	Colon Descenden
23	C389019	46	L	14.7	26.3	79.5	33.5	Colon Ascenden
24	C230205	49	L	10.5	21.5	65.5	32.8	Rectosigmoid
25	C270085	51	L	12.7	23	72.2	31.9	Colon Ascenden
26	C378695	50	P	9.41	27.65	86.72	31.88	Sigmoid
27	B369294	70	L	12	26	75.6	34.4	Colon Ascenden
28	C303134	62	P	10.7	26.5	77.7	34.1	Colon Descenden
29	C367082	33	P	6.49	17.07	56.51	30.2	Colon Transversum
30	C325512	60	L	11.9	22.4	70.7	31.7	Rectum
31	C373301	45	P	10.1	22.7	71	32	colon ascenden
32	C287261	36	P	9.8	23.6	72.4	32.6	Colon Ascenden
33	C409033	58	L	10	21.9	71.2	30.8	Sigmoid
34	C445649	44	L	12.4	26.4	78.7	34.1	Colon Ascendens
35	C413459	72	P	11	23.5	75.1	31.3	Colon Ascendens

36	C446788	44	L	6.8	21	66.2	31.8	Colon Transversum
37	C446961	60	P	10.3	23.6	71.8	32.9	Sigmoid
38	C254473	32	P	12.2	24.7	74.3	33.3	Colon Transversum
39	C203983	70	L	10.7	27.5	75.2	33.3	Rectum
40	C243923	55	L	7.1	23.3	73.7	31.6	Rectum
41	C263523	45	L	4.8	23.9	73	32.7	Colon Ascenden
42	C267446	68	P	7.1	24	76	31.5	Rectosigmoid
43	C211896	53	P	10.7	19.4	91.1	32.2	Rectosigmoid
44	C229376	47	L	7.6	22.1	69.3	31.9	Colon Ascenden
45	C249696	21	L	9.6	16.9	66.8	28.2	Colon Ascenden
46	C227975	69	P	9.1	29.7	88	33.7	Rectum
47	C296004	42	L	14.3	28.8	88.2	32.6	Colon Ascenden
48	C380443	30	L	10.1	27.3	74.8	29.9	Colon Ascenden
49	B188993	59	L	12.93	25.44	75.95	33.5	Sigmoid
50	C300473	33	P	10.8	27.5	82.7	33.3	Colon ascenden
51	C343193	45	P	9.2	23.8	76	31	Sigmoid
52	C203402	42	P	7.72	23.6	70	33.7	Colon Transversum
53	B388082	57	P	11.9	28.6	86.3	33.6	Colon ascenden
54	C418928	62	L	9.8	20.3	69.2	29.4	Rectum
55	C445525	31	P	11.6	25.6	80.3	32.2	Rectum
56	C446745	54	P	11.3	27.2	83.8	31.8	Colon Ascenden
57	C351247	43	L	10.74	24.78	74.36	33.32	Rectum
58	C385277	54	P	11.3	27.4	85.8	31.9	Rectum
59	C383537	33	L	9.7	24.9	85.3	29.2	Rectum
60	C378526	57	P	9.4	23.8	74.7	31.9	Colon Sigmoid
61	C410306	45	P	10.4	27.7	85.4	32.3	Colon Ascenden
62	C403276	60	L	11.8	24.8	76	32.2	Colon Sigmoid
63	C434826	36	L	11.8	26.7	80.8	33	Colon Sigmoid
64	C401877	29	P	11.27	26.92	79.2	33.54	Colon ascenden
65	C411637	75	L	10.58	28.91	86.54	33.4	Sigmoid
66	C404487	34	P	8.52	23.5	78.4	29	Colon Descenden
67	C449728	31	L	13	24.9	75.4	33	Rectum
68	C430138	65	L	7.6	28	82.6	32.8	Rectosigmoid
69	C453558	54	P	6.9	23	73.9	31.2	Colon Ascenden
70	C415454	70	L	10.43	30.78	91.43	33.66	Rectum
71	C452504	75	L	10	26.9	84.1	32	Rectum
72	C446504	46	L	9.8	29.3	88	33.2	Colon Ascenden
73	C409984	63	P	7.04	27.7	89.5	30.9	Colon ascenden

74	C453315	39	L	9.8	23.9	75.4	31.8	Rectum
75	C446075	33	L	9.4	29.7	86.5	34.4	Rectosigmoid
76	C450075	79	L	11	30.4	89.7	33.9	Sigmoid
77	C417756	54	L	9.02	22	72.4	30.4	Flexura hepatica
78	C444393	65	L	10.5	24.8	77.4	32	Flexura hepatica
79	C324410	62	L	9.5	29.6	76.9	34.1	Flexura hepatica
80	C096210	61	L	13.5	30.7	93.8	32.8	Rectum
81	C370798	54	L	7.6	17.1	74.2	23	Colon Ascenden
82	C350007	52	L	10.92	24.7	73.14	33.78	Colon Ascenden
83	C302837	30	P	12.8	27.6	81.9	33.7	Colon Ascenden
84	C375766	36	L	8.72	22.6	73.2	30.88	Colon Descenden
85	C461441	49	P	6.4	27.1	79.5	33.6	Flexura Lienalis
86	C300342	47	L	8.84	21.2	70.2	30.2	Colon Ascenden
87	C460964	51	P	12	28.3	85.8	30.7	Rectum 1/3 distal
88	C346393	47	L	8.44	22.3	72.6	30.7	Rectum 1/3 distal
89	C269460	59	L	11.1	25.1	73.4	34.2	Colon Descenden
90	C272090	63	P	10.63	28.93	87.8	32.95	Rectum 1/3 distal
91	C441911	46	P	9.9	19.2	59.9	32	Rectum
92	C460541	57	P	12.2	26.9	83.9	32	Rectum
93	C458890	62	P	13	28.3	89	31.8	Rectosigmoid
94	C288630	40	L	12.9	30.1	87.6	34.4	Rectosigmoid
95	C439835	20	L	5.2	20.6	67.3	30.6	Rectum
96	C454413	49	L	7.5	25.1	80.6	31.1	Rectosigmoid
97	C334929	68	L	12	27.7	81	34.2	Sigmoid
98	C231349	57	L	8.83	25.3	74.3	34.1	Sigmoid
99	C266839	44	P	10.5	25	74.6	33.5	Colon Ascenden
100	C288279	25	P	12.4	31.1	78.5	34.8	Colon Ascenden
101	C243288	52	L	6.27	17.1	56.3	30.4	Colon Transversum
102	C195778	51	L	8.03	23.6	74.2	30.5	Colon Transversum
103	C224678	39	L	15.1	29.5	87.7	33.7	Colon Descenden
104	C243778	49	P	7.19	27.9	84.5	33.1	Rectum
105	C293627	52	P	11	26.7	84.6	31.6	Sigmoid
106	C288967	32	L	9.94	26.3	79.1	33.2	Sigmoid
107	C268257	10	L	11.1	28	81.7	34.2	Sigmoid
108	C270085	51	L	12.7	23	72.2	31.9	Colon Ascenden
109	C327785	72	L	9.48	29.2	87	33.5	Rectum
110	C320055	72	L	9.64	23.9	73.8	32.4	Colon Descenden
111	C326875	43	P	9.3	24.5	79.5	30.8	Colon Transversum

112	C255724	51	L	6.47	24.4	71.3	34.2	Colon Transversum
113	C263734	53	L	8.6	22.6	68.5	33	Colon Ascenden
114	C280114	36	L	9.2	23.6	67.5	32	Colon Ascenden
115	C253674	69	L	11.8	29.1	90.6	32.3	Colon Ascenden
116	C079254	69	L	11.5	23.8	70.8	33.6	Rectum
117	B007830	73	P	10	28.4	85.8	33.2	Rectosigmoid
118	C278670	45	P	11.4	20	63.7	31.5	Colon Ascenden
119	C241490	47	L	14	31.2	92.6	33.7	Flexura Hepatica
120	C237720	52	P	9.9	27.8	84.5	33	Colon Descenden
121	C222131	74	L	9.15	24.8	75.3	33	Colon Ascenden
122	C311351	65	L	11.7	29	84.7	34.3	Sigmoid
123	C264771	40	P	10.8	23	71.1	32.3	Colon Transversum
124	C286431	64	L	12.9	28.2	87.2	32.4	Sigmoid
125	C275801	45	P	13	27	83.2	32.5	Colon Transversum
126	C196432	74	L	13.5	24.3	77	31.2	Colon Transversum
127	C197582	57	L	15.5	29.4	84.8	34.7	Rectosigmoid
128	C206688	51	L	9.42	25.07	74.01	33.87	Flexura Hepatica
129	C387110	59	P	10.4	29.2	89.8	32.5	Colon Descenden
130	C297751	53	L	11.6	24.6	72.2	34	Colon Ascenden
131	C396090	54	L	9.23	22.64	73.52	30.4	Colon ascenden
132	C376898	54	L	10.2	28.6	86.2	32.6	Rectum
133	C309975	49	L	11.64	30.02	86.3	34.78	Anorecti
134	C430930	34	P	11.6	29	89.5	32.4	Rectum
135	C419361	43	P	9.41	24.6	85.6	28.8	Rectum 1/3 distal
136	C374807	29	L	14.3	27.4	83	33	Rectosigmoid
137	C323104	72	L	14	28.9	83.5	34.6	Rectosigmoid
138	C419868	39	P	10.1	28	86.1	32.5	Rectum
139	C464298	25	L	9.6	27.9	80.7	34.5	Rectum
140	C419357	63	L	11.7	29.8	91.7	32.5	Rectum
141	C456478	42	P	9.38	27.3	81.8	33.4	Colon Descenden
142	C438588	37	P	11.6	27.5	85.8	32	Recti
143	C403380	45	P	9.6	19.8	63.2	31.3	Colon Ascenden
144	C252911	47	P	10.3	23.3	73.7	31.7	Colon Transversum
145	C274243	61	L	12.3	25.6	76	33.6	Colon Transversum
146	C438725	59	P	4.5	14.4	56.5	25.5	Colon Ascenden
147	C443247	54	L	9.3	29.3	84.6	34.6	Colon Transversum
148	C241087	49	P	4.4	17.3	60.4	28.6	Colon Ascenden - Transv
149	C462491	50	P	13	27.3	79.6	34.2	Caecum - Ascenden

150	C396092	29	L	9.1	25.7	81.9	31.4	Sigmoid
151	C438440	46	L	14	32.3	95.1	34	Colon Ascenden
152	C405664	55	P	11	26.63	80.69	33	Rectum
153	C378403	81	L	11.83	28.95	88.3	32.79	Colon Sigmoid
154	C432092	44	P	9.3	27.4	85.3	32.1	Sigmoid
155	C403380	45	P	9.6	19.8	63.2	31.3	Colon Ascenden
156	C443291	65	L	10.91	28.03	81.82	34.26	Rectum
157	C441191	56	P	9.91	27.5	76.4	31.8	Colon Ascenden
158	C073561	45	P	10.92	22.6	70.79	31.93	Colon Descenden
159	C229445	67	L	13	27.4	95.1	33.7	Sigmoid
160	C346762	32	L	7.32	27.6	80.6	34.3	Colon Transversum
161	C382211	57	L	13.18	24.69	76.15	32.42	Sigmoid
162	C357053	70	L	10.9	28.9	85.7	33.7	Colon Descenden
163	C319837	58	L	9.64	19.9	64.2	31	Flexura Hepatica
164	C386986	42	P	9.5	16.14	55.99	28.83	Colon Ascenden
165	C301620	45	L	16.1	29.5	85.2	34.6	Ca Recti
166	C357529	73	L	15.26	32.3	90.62	35.6	Colon Ascenden
167	C352917	49	L	12.8	24.1	73.2	32.9	Colon Ascenden
168	C446334	57	L	16.3	30.5	91.4	33.4	Rectum
169	C337489	59	L	12	28.4	83.2	34.1	Colon Descenden
170	C324307	51	P	10.9	30.5	87	35	Rectosigmoid
171	C373570	34	L	10.02	27.32	86.23	31.69	Rectum
172	C302641	43	P	9.34	26.1	80.4	32.4	Colon Descenden
173	C301229	40	L	10.8	21.4	84.1	33.8	Colon Descenden
174	C240578	57	P	11.7	28.5	83	34.4	Rectum
175	C352907	31	P	8.7	25.4	80.7	31.5	Colon Descenden
176	C456369	44	P	11.2	28.1	84.2	33.4	Colon Transversum
177	C449379	65	L	13.3	30.7	91.9	33.4	Sigmoid

Lampiran 4. Output analisis program statistik

Lokasi Tumor * Hb kategorik Crosstabulation

		Hb kategorik					Total	
		normal	anemia derajat ringan	anemia derajat sedang	anemia derajat berat	anemia derajat menganca m jiwa		
Lokasi Tumor	kanan	Count	12	26	18	10	6	72
		Expected Count	10.6	32.5	19.5	6.1	3.3	72.0
	kiri	Count	14	54	30	5	2	105
		Expected Count	15.4	47.5	28.5	8.9	4.7	105.0
Total	Count	26	80	48	15	8	177	
	Expected Count	26.0	80.0	48.0	15.0	8.0	177.0	

Chi-Square Tests

	Value	df	Asymp. Sig. (2- sided)
Pearson Chi-Square	10.845 ^a	4	.028
Likelihood Ratio	10.800	4	.029
Linear-by-Linear Association	4.069	1	.044
N of Valid Cases	177		

a. 2 cells (20.0%) have expected count less than 5. The minimum expected count is 3.25.

Lokasi Tumor * MCH Pasien (kategorik) Crosstabulation

		MCH Pasien (kategorik)		Total	
		Rendah	Normal		
Lokasi Tumor	kanan	Count	48	24	72
		Expected Count	39.9	32.1	72.0
	kiri	Count	50	55	105
		Expected Count	58.1	46.9	105.0
Total	Count	98	79	177	
	Expected Count	98.0	79.0	177.0	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	6.271 ^a	1	.012		
Continuity Correction ^b	5.524	1	.019		
Likelihood Ratio	6.350	1	.012		
Fisher's Exact Test				.014	.009
Linear-by-Linear Association	6.235	1	.013		
N of Valid Cases	177				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 32.14.

b. Computed only for a 2x2 table

Lokasi Tumor * MCV Pasien (kategorik) Crosstabulation

			MCV Pasien (kategorik)		Total
			Rendah	Normal	
Lokasi Tumor	kanan	Count	54	18	72
		Expected Count	35.8	36.2	72.0
	kiri	Count	34	71	105
		Expected Count	52.2	52.8	105.0
Total	Count	88	89	177	
	Expected Count	88.0	89.0	177.0	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	31.033 ^a	1	.000		
Continuity Correction ^b	29.352	1	.000		
Likelihood Ratio	32.154	1	.000		
Fisher's Exact Test				.000	.000
Linear-by-Linear Association	30.858	1	.000		
N of Valid Cases	177				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 35.80.

b. Computed only for a 2x2 table

Lokasi Tumor * MCHC Pasien (kategorik) Crosstabulation

		MCHC Pasien (kategorik)		Total	
		Rendah	Normal		
Lokasi Tumor	kanan	Count	42	30	72
		Expected Count	39.9	32.1	72.0
	kiri	Count	56	49	105
		Expected Count	58.1	46.9	105.0
Total	Count	98	79	177	
	Expected Count	98.0	79.0	177.0	

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	.432 ^a	1	.511		
Continuity Correction ^b	.253	1	.615		
Likelihood Ratio	.433	1	.511		
Fisher's Exact Test				.541	.308
Linear-by-Linear Association	.430	1	.512		
N of Valid Cases	177				

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 32.14.

b. Computed only for a 2x2 table

Lampiran 5. Biodata Penulis

Identitas

Nama : Muhammad Rizqhan
 NIM : 22010110120025
 Tempat/tanggal lahir : Tanjung Pinang, 28 September 1992
 Jenis kelamin : Laki-laki
 Alamat : Jalan Taman Kelud Selatan no. 51 , Sampangan,
 Semarang
 Nomor Telpun :
 Nomor HP : 082225129510
 e-mail : rizqhanedward@yahoo.com

Riwayat Pendidikan Formal

1. SD : SD Kartini II Batam	Lulus tahun: 2004
2. SMP : SMP Kartini II Batam	Lulus tahun: 2007
3. SMA : SMA Negeri 8 Yogyakarta	Lulus tahun: 2010
4. FK UNDIP :	Masuk tahun : 2010

Keanggotaan Organisasi

1. Staf PSDM BEM KU	Tahun 2010 s/d 2011
2. Staf PSDM BEM FK	Tahun 2011 s/d 2012