

## DAFTAR PUSTAKA

1. Amirudin R. Fibrosis Hati dalam Buku Ajar Ilmu Penyakit Hati. 1st ed. Jakarta: Jayabadi; 2007.
2. Guyton A, Hall J. Buku Ajar Fisiologi Kedokteran. 9th ed. New york: Guyton dan Hall; 2007.
3. Jemal A, BRAY F, Melissa M, Parkin D, Ferlay J, Ward E, et al. Global Cancer Statistics. *A Cancer J Clin.* 2011;61–90.
4. Sulaiman A, Lesmana N. Buku Ajar Ilmu Penyakit Hati. Jakarta: Jayabadi; 2007.
5. Marrer W. Orthorectifying Historical Imagery Using the Rational Function Model. University of Redlands; 2012.
6. Hirlan. Gastroenterohepatology : From Theory to Clinical Practice. Semarang: Univeristas Dipenogoro; 2011.
7. Feldman B. Gastrointestinal and Liver Disease. 9th ed. Elsevier S, editor. Canada; 2010.
8. Rilling W, Drooz A. Carcinoma, Multidisciplinary management of hepatocellular. *Radiol JVI*, editor. 2002. 259-63 .
9. Mor E, Kaspas R, Sheiner P. Treatment of hepatocellular carcinoma associated with cirrhosis in the era of liver transplantation. 1998;643–53.
10. Kew MC. Hepatocellular carcinoma: Epidemiology and riskfactor. *J Hepatocellular Carcinoma.* 2014;115–25.
11. LaBrecque D, Friedman L, KR M, Grendell J. Current Diagnosis & Treatment in Gastroenterology. Singapore: McGraw-Hill Education; 2003.

12. Sherman M. Principles and Practice of Gastrointestinal Oncology. Kelsen D, Daly J, B L, Tepper J, editors. Philadelphia: Wolters Kluwer Business; 2008.
13. Caldwell S. The epidemiology of hepatocellular cancer : from the perspectives of public health problem to tumor biology. *Gastroenterology*. 2009;96–100.
14. N I, Wanda J. The increasing incidence of hepatocellular carcinoma. *Med, N Engl J*; 1999. 798-9 .
15. El-Serag H, Mason A. Rising incidence of hepatocellular carcinoma in the United States. *United States: N Engl J med*; 1999. 745-50 .
16. Heintges T, Wands J. Hepatitis C virus: epidemiology and transmission. 1997;26:521–6.
17. Sherlock S, Dooley J. *Disease of the Liver and Biliary System*. London: Blackwell Scientific Publications; 2001.
18. Nurdjanah S. Sirosis Hati. In: Sudoyo A, Setiyohadi B, Alwi I, Simadibratam M, Setiati S, editors. *Buku Ajar Ilmu Penyakit Dalam*. Jakarta: Interna Publishing; 2009.
19. Teufel A, Weinman A. Hepatocellular Carcinoma in patients with autoimmune hepatitis. *World J Gastroenterol*. 2009;15:578–82.
20. Kamel I, Bluemke D. Imaging evaluation of hepatocellular carcinoma. 2002;13:73–83.
21. Saffroy R, Lemoine A, Debuire B. Mechanisms of hepatocarcinogenesis. In: *Atlas of Genetics and Cytogenetics in Oncology and Haematology*.

2006.

22. Bertino G, Carlo D, Ardiri A, Calvagno G, Malaguarnera G. Systemic therapies in hepatocellular carcinoma. *Future oncol.* 2013;10:1533–48.
23. Xu H, Yun-Peng Liu, Guleng B, Ren J-L. Hepatitis B Virus-Related Hepatocellular Carcinoma: Pathogenic Mechanisms and Novel Therapeutic Interventions. *Gastrointest Tumors.* 2014;1:135–45.
24. Chien R, Hsu Y, Yeh C, Sheen I, Chu C. Long-term outcome after spontaneous HbeAG seroconversion in patients with chronic hepatitis B. *Hepatology.* 2002;35:1522–7.
25. Wu C, Salvay D, Forgues M, Valerie K, Farnworth J, Markin R. Distinctive gene expression profiles associated with Hepatitis B virus x protein. *Oncogene.* 2001;20:3674–82.
26. Schafer D, Sorrel M. Hepatocellular Carcinoma. 1999;353:1253–7.
27. Murray-Lyon. Primary and secondary cancer of the liver. In: JC G, editor. *Carcinoma of the Liver, Biliary Tract and Pancreas.* London: Edward Arnold; 2002.
28. Okuda K. Hepatocellular Carcinoma. J H, editor. 2000;32:225–7.
29. Attali P, Houssin D, Roche A, Buffet C, Bismuth H, Etienne J. Hepatic arterial embolization for malignant hypercalcemia in hepatocellular carcinoma. 2002;29:466.
30. Minshan C, Yaqi Z. *Karsinoma Hati Primer.* 2nd ed. Desen W, editor. Jakarta: Balai Penerbit Fakultas Kedokteran Universitas Indonesia; 2008.
31. Park Y. Update on precursor and early lesions of hepatocellular carcinoma.

- 2011;135:704–15.
32. Kenwal K, Richardson P, El serag H. A new laboratory based algorithm to predict development of hepatocellular carcinoma patients with hepatic and chirosis. *Gastroenterology*. 2014;146:1249–55.
  33. Tanaka S, Ari S. Molecular targeted therapies in hepatocellular carcinoma. *Semin Oncol*. 2012;39:486–92.
  34. Namieno T, Kawata A, Sato N, Kondo Y, Uchino J. Age-Related, Different Clinopathologic Features of Hepatocellular Carcinoma Patients. 2005;24:256–9.
  35. Kew MC. Hepatitis B virus infection : the burden of disease south Africa. *shouthern African J Epidemiol Infect*. 2008;1:4–8.
  36. Hajime S, Osamu Y, Seki N, Arai M, Imzaeki F. Influence of Hepatitis B virus Genotypes on the Progression of Chronic Type B Liver Disease. 2003;
  37. Gastroenterol T. Serum alpha-fetoprotein concentrations in urban and rural southern african blacks with hepatocellular carcinoma. 2002;16:11–5.

## LAMPIRAN 1

### OUTPUT SPSS

#### Frequencies

#### Frequency Table

##### Tempat tinggal

|            | Frequency | Percent | Valid Percent | Cumulative Percent |
|------------|-----------|---------|---------------|--------------------|
| Valid Desa | 79        | 76.7    | 76.7          | 76.7               |
| Kota       | 24        | 23.3    | 23.3          | 100.0              |
| Total      | 103       | 100.0   | 100.0         |                    |

##### Daerah

|              | Frequency | Percent | Valid Percent | Cumulative Percent |
|--------------|-----------|---------|---------------|--------------------|
| Valid Batang | 1         | 1.0     | 1.0           | 1.0                |
| Blora        | 3         | 2.9     | 2.9           | 3.9                |
| Boyolali     | 1         | 1.0     | 1.0           | 4.9                |
| Brebes       | 8         | 7.8     | 7.8           | 12.6               |
| Demak        | 23        | 22.3    | 22.3          | 35.0               |
| Grobogan     | 15        | 14.6    | 14.6          | 49.5               |
| Jakarta      | 1         | 1.0     | 1.0           | 50.5               |
| Jepara       | 6         | 5.8     | 5.8           | 56.3               |
| Kendal       | 7         | 6.8     | 6.8           | 63.1               |
| Kudus        | 3         | 2.9     | 2.9           | 66.0               |
| Magelang     | 1         | 1.0     | 1.0           | 67.0               |
| Pati         | 2         | 1.9     | 1.9           | 68.9               |
| Pekalongan   | 2         | 1.9     | 1.9           | 70.9               |
| Pemalang     | 5         | 4.9     | 4.9           | 75.7               |
| Rembang      | 5         | 4.9     | 4.9           | 80.6               |
| Semarang     | 18        | 17.5    | 17.5          | 98.1               |
| Tegal        | 2         | 1.9     | 1.9           | 100.0              |
| Total        | 103       | 100.0   | 100.0         |                    |

**Jenis kelamin**

|       |           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------|-----------|---------|---------------|--------------------|
| Valid | Laki-laki | 84        | 81.6    | 81.6          | 81.6               |
|       | Perempuan | 19        | 18.4    | 18.4          | 100.0              |
|       | Total     | 103       | 100.0   | 100.0         |                    |

**Pekerjaan**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Bekerja       | 71        | 68.9    | 68.9          | 68.9               |
|       | Tidak bekerja | 32        | 31.1    | 31.1          | 100.0              |
|       | Total         | 103       | 100.0   | 100.0         |                    |

**Koma hepatikum**

|       |           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------|-----------|---------|---------------|--------------------|
| Valid | Ada       | 4         | 3.9     | 3.9           | 3.9                |
|       | Tidak ada | 99        | 96.1    | 96.1          | 100.0              |
|       | Total     | 103       | 100.0   | 100.0         |                    |

**Performance**

|       |       | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | PC    | 40        | 38.8    | 38.8          | 38.8               |
|       | SC    | 25        | 24.3    | 24.3          | 63.1               |
|       | IC    | 38        | 36.9    | 36.9          | 100.0              |
|       | Total | 103       | 100.0   | 100.0         |                    |

**Trombus**

|       |           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------|-----------|---------|---------------|--------------------|
| Valid | Ada       | 40        | 38.8    | 38.8          | 38.8               |
|       | Tidak ada | 63        | 61.2    | 61.2          | 100.0              |
|       | Total     | 103       | 100.0   | 100.0         |                    |

**Asites**

|       |           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------|-----------|---------|---------------|--------------------|
| Valid | Tidak ada | 34        | 33.0    | 33.0          | 33.0               |
|       | Ringan    | 13        | 12.6    | 12.6          | 45.6               |
|       | Berat     | 56        | 54.4    | 54.4          | 100.0              |
|       | Total     | 103       | 100.0   | 100.0         |                    |

**Nodul**

|       |          | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|----------|-----------|---------|---------------|--------------------|
| Valid | Single   | 9         | 8.7     | 8.7           | 8.7                |
|       | Multiple | 94        | 91.3    | 91.3          | 100.0              |
|       | Total    | 103       | 100.0   | 100.0         |                    |

**CP**

|       |       | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | A     | 14        | 13.6    | 13.6          | 13.6               |
|       | B     | 54        | 52.4    | 52.4          | 66.0               |
|       | C     | 35        | 34.0    | 34.0          | 100.0              |
|       | Total | 103       | 100.0   | 100.0         |                    |

**BCLC**

|         | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|-----------|---------|---------------|--------------------|
| Valid A | 7         | 6.8     | 6.8           | 6.8                |
| B       | 41        | 39.8    | 39.8          | 46.6               |
| C       | 21        | 20.4    | 20.4          | 67.0               |
| D       | 34        | 33.0    | 33.0          | 100.0              |
| Total   | 103       | 100.0   | 100.0         |                    |

**Case Summaries**

|             | N   | Mean     | Std. Deviation | Median  | Minimum | Maximum |
|-------------|-----|----------|----------------|---------|---------|---------|
| Umur        | 103 | 47.07    | 12.810         | 47.00   | 15      | 76      |
| Bilirubin   | 103 | 3.4144   | 4.29519        | 1.9000  | .33     | 25.15   |
| Albumin     | 103 | 3.0399   | .76704         | 3.0000  | 1.50    | 6.37    |
| PPT         | 103 | 14.8495  | 3.61060        | 14.2000 | 10.20   | 40.70   |
| PPT kontrol | 103 | 11.3680  | 1.18489        | 11.2000 | 9.00    | 14.90   |
| PPT selisih | 103 | 3.4816   | 3.24958        | 2.8000  | .10     | 27.60   |
| Kadar AFP   | 103 | 165.7164 | 194.03591      | 1.4800  | .00     | 400.00  |

## Crosstabs

### Jenis kelamin \* Tempat tinggal

Crosstab

|               |                         |                         | Tempat tinggal |        | Total |
|---------------|-------------------------|-------------------------|----------------|--------|-------|
|               |                         |                         | Desa           | Kota   |       |
| Jenis kelamin | Laki-laki               | Count                   | 62             | 22     | 84    |
|               |                         | Expected Count          | 64.4           | 19.6   | 84.0  |
|               |                         | % within Tempat tinggal | 78.5%          | 91.7%  | 81.6% |
|               | Perempuan               | Count                   | 17             | 2      | 19    |
|               |                         | Expected Count          | 14.6           | 4.4    | 19.0  |
|               |                         | % within Tempat tinggal | 21.5%          | 8.3%   | 18.4% |
| Total         | Count                   | 79                      | 24             | 103    |       |
|               | Expected Count          | 79.0                    | 24.0           | 103.0  |       |
|               | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

Chi-Square Tests

|                                    | Value              | df | Asymp. Sig.<br>(2-sided) | Exact Sig.<br>(2-sided) | Exact Sig.<br>(1-sided) |
|------------------------------------|--------------------|----|--------------------------|-------------------------|-------------------------|
| Pearson Chi-Square                 | 2.127 <sup>b</sup> | 1  | .145                     |                         |                         |
| Continuity Correction <sup>a</sup> | 1.341              | 1  | .247                     |                         |                         |
| Likelihood Ratio                   | 2.441              | 1  | .118                     |                         |                         |
| Fisher's Exact Test                |                    |    |                          | .229                    | .120                    |
| Linear-by-Linear<br>Association    | 2.107              | 1  | .147                     |                         |                         |
| N of Valid Cases                   | 103                |    |                          |                         |                         |

a. Computed only for a 2x2 table

b. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 4.43.

## Pekerjaan \* Tempat tinggal

Crosstab

|           |                         |                         | Tempat tinggal |        | Total |
|-----------|-------------------------|-------------------------|----------------|--------|-------|
|           |                         |                         | Desa           | Kota   |       |
| Pekerjaan | Bekerja                 | Count                   | 56             | 15     | 71    |
|           |                         | Expected Count          | 54.5           | 16.5   | 71.0  |
|           |                         | % within Tempat tinggal | 70.9%          | 62.5%  | 68.9% |
|           | Tidak bekerja           | Count                   | 23             | 9      | 32    |
|           |                         | Expected Count          | 24.5           | 7.5    | 32.0  |
|           |                         | % within Tempat tinggal | 29.1%          | 37.5%  | 31.1% |
| Total     | Count                   | 79                      | 24             | 103    |       |
|           | Expected Count          | 79.0                    | 24.0           | 103.0  |       |
|           | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

Chi-Square Tests

|                                    | Value             | df | Asymp. Sig.<br>(2-sided) | Exact Sig.<br>(2-sided) | Exact Sig.<br>(1-sided) |
|------------------------------------|-------------------|----|--------------------------|-------------------------|-------------------------|
| Pearson Chi-Square                 | .604 <sup>b</sup> | 1  | .437                     |                         |                         |
| Continuity Correction <sup>a</sup> | .276              | 1  | .599                     |                         |                         |
| Likelihood Ratio                   | .591              | 1  | .442                     |                         |                         |
| Fisher's Exact Test                |                   |    |                          | .458                    | .296                    |
| Linear-by-Linear<br>Association    | .599              | 1  | .439                     |                         |                         |
| N of Valid Cases                   | 103               |    |                          |                         |                         |

a. Computed only for a 2x2 table

b. 0 cells (.0%) have expected count less than 5. The minimum expected count is 7.46.

## Koma hepatikum \* Tempat tinggal

Crosstab

|                |                         |                         | Tempat tinggal |        | Total |
|----------------|-------------------------|-------------------------|----------------|--------|-------|
|                |                         |                         | Desa           | Kota   |       |
| Koma hepatikum | Ada                     | Count                   | 4              | 0      | 4     |
|                |                         | Expected Count          | 3.1            | .9     | 4.0   |
|                |                         | % within Tempat tinggal | 5.1%           | .0%    | 3.9%  |
|                | Tidak ada               | Count                   | 75             | 24     | 99    |
|                |                         | Expected Count          | 75.9           | 23.1   | 99.0  |
|                |                         | % within Tempat tinggal | 94.9%          | 100.0% | 96.1% |
| Total          | Count                   | 79                      | 24             | 103    |       |
|                | Expected Count          | 79.0                    | 24.0           | 103.0  |       |
|                | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

Chi-Square Tests

|                                    | Value              | df | Asymp. Sig.<br>(2-sided) | Exact Sig.<br>(2-sided) | Exact Sig.<br>(1-sided) |
|------------------------------------|--------------------|----|--------------------------|-------------------------|-------------------------|
| Pearson Chi-Square                 | 1.264 <sup>b</sup> | 1  | .261                     |                         |                         |
| Continuity Correction <sup>a</sup> | .272               | 1  | .602                     |                         |                         |
| Likelihood Ratio                   | 2.171              | 1  | .141                     |                         |                         |
| Fisher's Exact Test                |                    |    |                          | .571                    | .340                    |
| Linear-by-Linear<br>Association    | 1.252              | 1  | .263                     |                         |                         |
| N of Valid Cases                   | 103                |    |                          |                         |                         |

a. Computed only for a 2x2 table

b. 2 cells (50.0%) have expected count less than 5. The minimum expected count is .93.

## Performance \* Tempat tinggal

**Crosstab**

|             |                         |                         | Tempat tinggal |        | Total |
|-------------|-------------------------|-------------------------|----------------|--------|-------|
|             |                         |                         | Desa           | Kota   |       |
| Performance | PC                      | Count                   | 30             | 10     | 40    |
|             |                         | Expected Count          | 30.7           | 9.3    | 40.0  |
|             |                         | % within Tempat tinggal | 38.0%          | 41.7%  | 38.8% |
|             | SC                      | Count                   | 20             | 5      | 25    |
|             |                         | Expected Count          | 19.2           | 5.8    | 25.0  |
|             |                         | % within Tempat tinggal | 25.3%          | 20.8%  | 24.3% |
|             | IC                      | Count                   | 29             | 9      | 38    |
|             |                         | Expected Count          | 29.1           | 8.9    | 38.0  |
|             |                         | % within Tempat tinggal | 36.7%          | 37.5%  | 36.9% |
| Total       | Count                   | 79                      | 24             | 103    |       |
|             | Expected Count          | 79.0                    | 24.0           | 103.0  |       |
|             | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

**Chi-Square Tests**

|                                 | Value             | df | Asymp. Sig.<br>(2-sided) |
|---------------------------------|-------------------|----|--------------------------|
| Pearson Chi-Square              | .220 <sup>a</sup> | 2  | .896                     |
| Likelihood Ratio                | .225              | 2  | .894                     |
| Linear-by-Linear<br>Association | .020              | 1  | .887                     |
| N of Valid Cases                | 103               |    |                          |

a. 0 cells (.0%) have expected count less than 5. The minimum expected count is 5.83.

## Trombus \* Tempat tinggal

Crosstab

|         |                         |                         | Tempat tinggal |        | Total |
|---------|-------------------------|-------------------------|----------------|--------|-------|
|         |                         |                         | Desa           | Kota   |       |
| Trombus | Ada                     | Count                   | 31             | 9      | 40    |
|         |                         | Expected Count          | 30.7           | 9.3    | 40.0  |
|         |                         | % within Tempat tinggal | 39.2%          | 37.5%  | 38.8% |
|         | Tidak ada               | Count                   | 48             | 15     | 63    |
|         |                         | Expected Count          | 48.3           | 14.7   | 63.0  |
|         |                         | % within Tempat tinggal | 60.8%          | 62.5%  | 61.2% |
| Total   | Count                   | 79                      | 24             | 103    |       |
|         | Expected Count          | 79.0                    | 24.0           | 103.0  |       |
|         | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

Chi-Square Tests

|                                    | Value             | df | Asymp. Sig.<br>(2-sided) | Exact Sig.<br>(2-sided) | Exact Sig.<br>(1-sided) |
|------------------------------------|-------------------|----|--------------------------|-------------------------|-------------------------|
| Pearson Chi-Square                 | .023 <sup>b</sup> | 1  | .878                     |                         |                         |
| Continuity Correction <sup>a</sup> | .000              | 1  | 1.000                    |                         |                         |
| Likelihood Ratio                   | .024              | 1  | .878                     |                         |                         |
| Fisher's Exact Test                |                   |    |                          | 1.000                   | .538                    |
| Linear-by-Linear<br>Association    | .023              | 1  | .879                     |                         |                         |
| N of Valid Cases                   | 103               |    |                          |                         |                         |

a. Computed only for a 2x2 table

b. 0 cells (.0%) have expected count less than 5. The minimum expected count is 9.32.

## Asites \* Tempat tinggal

**Crosstab**

|        |                         |                         | Tempat tinggal |        | Total |
|--------|-------------------------|-------------------------|----------------|--------|-------|
|        |                         |                         | Desa           | Kota   |       |
| Asites | Tidak ada               | Count                   | 27             | 7      | 34    |
|        |                         | Expected Count          | 26.1           | 7.9    | 34.0  |
|        |                         | % within Tempat tinggal | 34.2%          | 29.2%  | 33.0% |
|        | Ringan                  | Count                   | 10             | 3      | 13    |
|        |                         | Expected Count          | 10.0           | 3.0    | 13.0  |
|        |                         | % within Tempat tinggal | 12.7%          | 12.5%  | 12.6% |
|        | Berat                   | Count                   | 42             | 14     | 56    |
|        |                         | Expected Count          | 43.0           | 13.0   | 56.0  |
|        |                         | % within Tempat tinggal | 53.2%          | 58.3%  | 54.4% |
| Total  | Count                   | 79                      | 24             | 103    |       |
|        | Expected Count          | 79.0                    | 24.0           | 103.0  |       |
|        | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

**Chi-Square Tests**

|                                 | Value             | df | Asymp. Sig.<br>(2-sided) |
|---------------------------------|-------------------|----|--------------------------|
| Pearson Chi-Square              | .231 <sup>a</sup> | 2  | .891                     |
| Likelihood Ratio                | .233              | 2  | .890                     |
| Linear-by-Linear<br>Association | .228              | 1  | .633                     |
| N of Valid Cases                | 103               |    |                          |

a. 1 cells (16.7%) have expected count less than 5. The minimum expected count is 3.03.

## Nodul \* Tempat tinggal

Crosstab

|       |                         |                         | Tempat tinggal |        | Total |
|-------|-------------------------|-------------------------|----------------|--------|-------|
|       |                         |                         | Desa           | Kota   |       |
| Nodul | Single                  | Count                   | 7              | 2      | 9     |
|       |                         | Expected Count          | 6.9            | 2.1    | 9.0   |
|       |                         | % within Tempat tinggal | 8.9%           | 8.3%   | 8.7%  |
|       | Multiple                | Count                   | 72             | 22     | 94    |
|       |                         | Expected Count          | 72.1           | 21.9   | 94.0  |
|       |                         | % within Tempat tinggal | 91.1%          | 91.7%  | 91.3% |
| Total | Count                   | 79                      | 24             | 103    |       |
|       | Expected Count          | 79.0                    | 24.0           | 103.0  |       |
|       | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

Chi-Square Tests

|                                    | Value             | df | Asymp. Sig.<br>(2-sided) | Exact Sig.<br>(2-sided) | Exact Sig.<br>(1-sided) |
|------------------------------------|-------------------|----|--------------------------|-------------------------|-------------------------|
| Pearson Chi-Square                 | .006 <sup>b</sup> | 1  | .936                     |                         |                         |
| Continuity Correction <sup>a</sup> | .000              | 1  | 1.000                    |                         |                         |
| Likelihood Ratio                   | .006              | 1  | .936                     |                         |                         |
| Fisher's Exact Test                |                   |    |                          | 1.000                   | .650                    |
| Linear-by-Linear<br>Association    | .006              | 1  | .936                     |                         |                         |
| N of Valid Cases                   | 103               |    |                          |                         |                         |

a. Computed only for a 2x2 table

b. 1 cells (25.0%) have expected count less than 5. The minimum expected count is 2.10.

## Explore

### Tempat tinggal

Case Summaries

| Tempat tinggal |                | Umur   | Bilirubin | Albumin |
|----------------|----------------|--------|-----------|---------|
| Desa           | N              | 79     | 79        | 79      |
|                | Mean           | 46.39  | 3.4418    | 3.1115  |
|                | Std. Deviation | 12.568 | 4.14554   | .80562  |
|                | Median         | 47.00  | 1.9800    | 3.0000  |
|                | Minimum        | 15     | .33       | 1.50    |
|                | Maximum        | 76     | 25.15     | 6.37    |
| Kota           | N              | 24     | 24        | 24      |
|                | Mean           | 49.29  | 3.3242    | 2.8042  |
|                | Std. Deviation | 13.614 | 4.85008   | .57671  |
|                | Median         | 51.50  | 1.8900    | 2.7500  |
|                | Minimum        | 18     | .57       | 1.60    |
|                | Maximum        | 74     | 23.16     | 3.80    |
| Total          | N              | 103    | 103       | 103     |
|                | Mean           | 47.07  | 3.4144    | 3.0399  |
|                | Std. Deviation | 12.810 | 4.29519   | .76704  |
|                | Median         | 47.00  | 1.9000    | 3.0000  |
|                | Minimum        | 15     | .33       | 1.50    |
|                | Maximum        | 76     | 25.15     | 6.37    |

## Case Summaries

| Tempat tinggal |                | PPT     | PPT kontrol | PPT selisih |
|----------------|----------------|---------|-------------|-------------|
| Desa           | N              | 79      | 79          | 79          |
|                | Mean           | 14.7278 | 11.4316     | 3.2962      |
|                | Std. Deviation | 3.83202 | 1.15654     | 3.46870     |
|                | Median         | 14.2000 | 11.2000     | 2.4000      |
|                | Minimum        | 10.20   | 9.30        | .10         |
|                | Maximum        | 40.70   | 14.90       | 27.60       |
| Kota           | N              | 24      | 24          | 24          |
|                | Mean           | 15.2500 | 11.1583     | 4.0917      |
|                | Std. Deviation | 2.79223 | 1.27686     | 2.34945     |
|                | Median         | 14.9000 | 11.0000     | 3.5000      |
|                | Minimum        | 10.90   | 9.00        | 1.40        |
|                | Maximum        | 21.50   | 13.80       | 10.20       |
| Total          | N              | 103     | 103         | 103         |
|                | Mean           | 14.8495 | 11.3680     | 3.4816      |
|                | Std. Deviation | 3.61060 | 1.18489     | 3.24958     |
|                | Median         | 14.2000 | 11.2000     | 2.8000      |
|                | Minimum        | 10.20   | 9.00        | .10         |
|                | Maximum        | 40.70   | 14.90       | 27.60       |

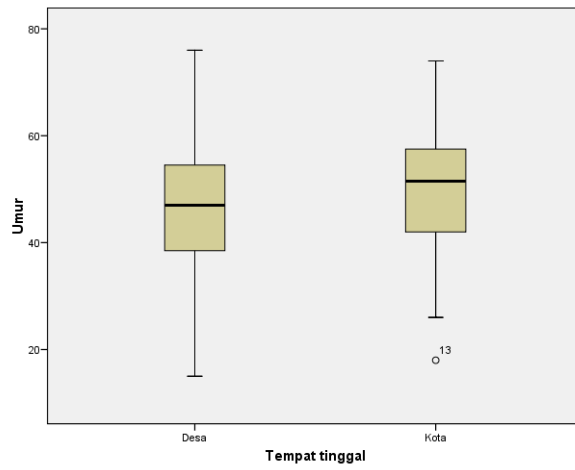
## Tests of Normality

| Tempat tinggal | Kolmogorov-Smirnov <sup>a</sup> |      |      | Shapiro-Wilk |      |      |      |
|----------------|---------------------------------|------|------|--------------|------|------|------|
|                | Statistic                       | df   | Sig. | Statistic    | df   | Sig. |      |
| Umur           | Desa                            | .045 | 79   | .200*        | .996 | 79   | .998 |
|                | Kota                            | .129 | 24   | .200*        | .976 | 24   | .801 |
| Bilirubin      | Desa                            | .240 | 79   | .000         | .646 | 79   | .000 |
|                | Kota                            | .346 | 24   | .000         | .502 | 24   | .000 |
| Albumin        | Desa                            | .066 | 79   | .200*        | .958 | 79   | .011 |
|                | Kota                            | .129 | 24   | .200*        | .957 | 24   | .381 |
| PPT            | Desa                            | .199 | 79   | .000         | .643 | 79   | .000 |
|                | Kota                            | .106 | 24   | .200*        | .962 | 24   | .491 |
| PPT kontrol    | Desa                            | .155 | 79   | .000         | .917 | 79   | .000 |
|                | Kota                            | .164 | 24   | .094         | .953 | 24   | .307 |
| PPT selisih    | Desa                            | .189 | 79   | .000         | .595 | 79   | .000 |
|                | Kota                            | .165 | 24   | .089         | .884 | 24   | .010 |

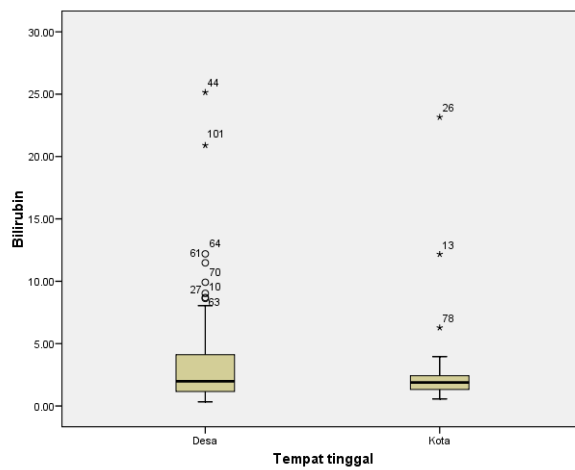
\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

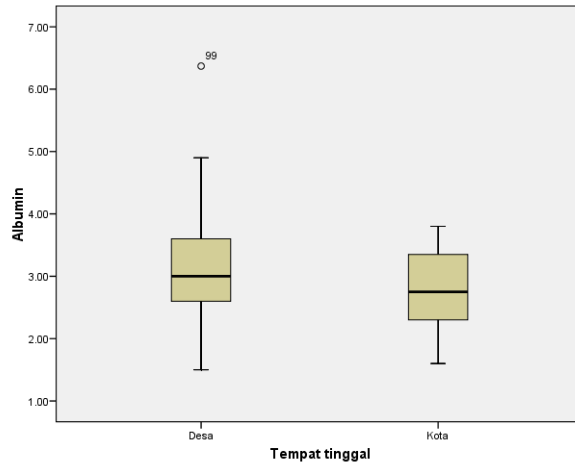
## Umur



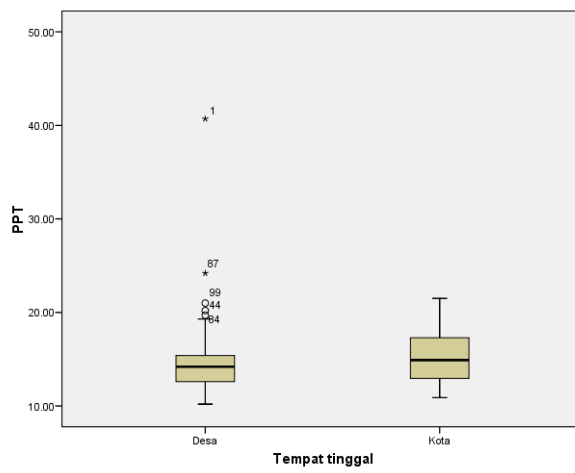
## Bilirubin



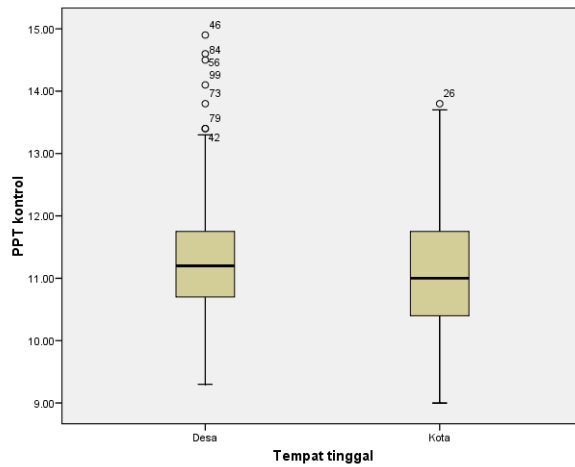
## Albumin



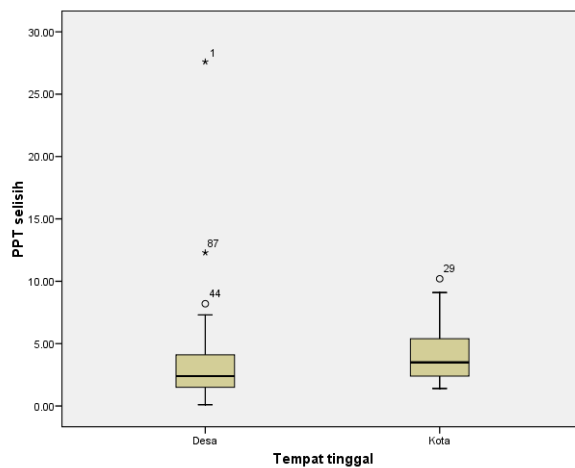
## PPT



## PPT kontrol



## PPT selisih



## T-Test

Group Statistics

|      | Tempat tinggal | N  | Mean  | Std. Deviation | Std. Error Mean |
|------|----------------|----|-------|----------------|-----------------|
| Umur | Desa           | 79 | 46.39 | 12.568         | 1.414           |
|      | Kota           | 24 | 49.29 | 13.614         | 2.779           |

### Independent Samples Test

|   |   | Umur                    |                             |
|---|---|-------------------------|-----------------------------|
|   |   | Equal variances assumed | Equal variances not assumed |
| Levene's Test for Equality of Variances | F   | .083                    |                             |
|   | Sig.                                      | .774                    |                             |
| t-test for Equality of Means            | t   | -.971                   | -.930                       |
|   | df  | 101                     | 35.745                      |
|   | Sig. (2-tailed)                           | .334                    | .359                        |
|   | Mean Difference                           | -2.899                  | -2.899                      |
|   | Std. Error Difference                     | 2.987                   | 3.118                       |
|   | 95% Confidence Interval of the Difference |                         |                             |
|   |   | Lower                   | -8.824                      |
|   |   | Upper                   | 3.025                       |
|   |   |                         | -9.225                      |
|   |   |                         | 3.426                       |

## NPar Tests

### Mann-Whitney Test

#### Ranks

|           | Tempat tinggal | N   | Mean Rank | Sum of Ranks |
|-----------|----------------|-----|-----------|--------------|
| Bilirubin | Desa           | 79  | 52.40     | 4139.50      |
|           | Kota           | 24  | 50.69     | 1216.50      |
|           | Total          | 103 |           |              |

#### Test Statistics<sup>a</sup>

|                        | Bilirubin |
|------------------------|-----------|
| Mann-Whitney U         | 916.500   |
| Wilcoxon W             | 1216.500  |
| Z                      | -.246     |
| Asymp. Sig. (2-tailed) | .806      |

a. Grouping Variable: Tempat tinggal

## T-Test

**Group Statistics**

|         | Tempat tinggal | N  | Mean   | Std. Deviation | Std. Error Mean |
|---------|----------------|----|--------|----------------|-----------------|
| Albumin | Desa           | 79 | 3.1115 | .80562         | .09064          |
|         | Kota           | 24 | 2.8042 | .57671         | .11772          |

**Independent Samples Test**

|   |   | Albumin                 |                             |
|---|---|-------------------------|-----------------------------|
|   |   | Equal variances assumed | Equal variances not assumed |
| Levene's Test for Equality of Variances | F   | 1.373                   |                             |
|   | Sig.                                      | .244                    |                             |
| t-test for Equality of Means            | t   | 1.736                   | 2.069                       |
|   | df  | 101                     | 52.874                      |
|   | Sig. (2-tailed)                           | .086                    | .043                        |
|   | Mean Difference                           | .30735                  | .30735                      |
|   | Std. Error Difference                     | .17704                  | .14857                      |
|   | 95% Confidence Interval of the Difference | Lower<br>Upper          | -.04385<br>.60537           |

## NPar Tests

## Mann-Whitney Test

**Ranks**

|             | Tempat tinggal | N   | Mean Rank | Sum of Ranks |
|-------------|----------------|-----|-----------|--------------|
| PPT         | Desa           | 79  | 49.85     | 3938.50      |
|             | Kota           | 24  | 59.06     | 1417.50      |
|             | Total          | 103 |           |              |
| PPT kontrol | Desa           | 79  | 53.63     | 4237.00      |
|             | Kota           | 24  | 46.63     | 1119.00      |
|             | Total          | 103 |           |              |
| PPT selisih | Desa           | 79  | 48.50     | 3831.50      |
|             | Kota           | 24  | 63.52     | 1524.50      |
|             | Total          | 103 |           |              |

## Crosstabs

### Tempat tinggal \* CP

Crosstab

|                |                |                | CP     |        |        | Total |
|----------------|----------------|----------------|--------|--------|--------|-------|
|                |                |                | A      | B      | C      |       |
| Tempat tinggal | Desa           | Count          | 12     | 40     | 27     | 79    |
|                |                | Expected Count | 10.7   | 41.4   | 26.8   | 79.0  |
|                |                | % within CP    | 85.7%  | 74.1%  | 77.1%  | 76.7% |
|                | Kota           | Count          | 2      | 14     | 8      | 24    |
|                |                | Expected Count | 3.3    | 12.6   | 8.2    | 24.0  |
|                |                | % within CP    | 14.3%  | 25.9%  | 22.9%  | 23.3% |
| Total          | Count          | 14             | 54     | 35     | 103    |       |
|                | Expected Count | 14.0           | 54.0   | 35.0   | 103.0  |       |
|                | % within CP    | 100.0%         | 100.0% | 100.0% | 100.0% |       |

Chi-Square Tests

|                              | Value             | df | Asymp. Sig. (2-sided) |
|------------------------------|-------------------|----|-----------------------|
| Pearson Chi-Square           | .849 <sup>a</sup> | 2  | .654                  |
| Likelihood Ratio             | .917              | 2  | .632                  |
| Linear-by-Linear Association | .152              | 1  | .697                  |
| N of Valid Cases             | 103               |    |                       |

a. 1 cells (16.7%) have expected count less than 5. The minimum expected count is 3.26.

## Tempat tinggal \* BCLC

Crosstab

|                |                |                | BCLC   |        |        |        | Total |
|----------------|----------------|----------------|--------|--------|--------|--------|-------|
|                |                |                | A      | B      | C      | D      |       |
| Tempat tinggal | Desa           | Count          | 7      | 31     | 15     | 26     | 79    |
|                |                | Expected Count | 5.4    | 31.4   | 16.1   | 26.1   | 79.0  |
|                |                | % within BCLC  | 100.0% | 75.6%  | 71.4%  | 76.5%  | 76.7% |
|                | Kota           | Count          | 0      | 10     | 6      | 8      | 24    |
|                |                | Expected Count | 1.6    | 9.6    | 4.9    | 7.9    | 24.0  |
|                |                | % within BCLC  | .0%    | 24.4%  | 28.6%  | 23.5%  | 23.3% |
| Total          | Count          | 7              | 41     | 21     | 34     | 103    |       |
|                | Expected Count | 7.0            | 41.0   | 21.0   | 34.0   | 103.0  |       |
|                | % within BCLC  | 100.0%         | 100.0% | 100.0% | 100.0% | 100.0% |       |

Chi-Square Tests

|                              | Value              | df | Asymp. Sig. (2-sided) |
|------------------------------|--------------------|----|-----------------------|
| Pearson Chi-Square           | 2.481 <sup>a</sup> | 3  | .479                  |
| Likelihood Ratio             | 4.053              | 3  | .256                  |
| Linear-by-Linear Association | .470               | 1  | .493                  |
| N of Valid Cases             | 103                |    |                       |

a. 2 cells (25.0%) have expected count less than 5. The minimum expected count is 1.63.

## Explore

## Tempat tinggal

Case Summaries

Kadar AFP

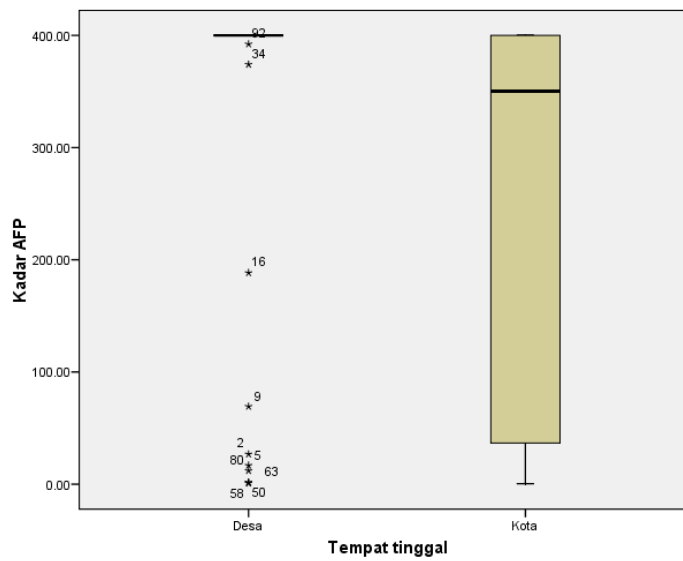
| Tempat tinggal | N  | Mean     | Std. Deviation | Median   | Minimum | Maximum |
|----------------|----|----------|----------------|----------|---------|---------|
| Desa           | 44 | 333.7166 | 142.65508      | 400.0000 | .88     | 400.00  |
| Kota           | 10 | 238.5260 | 189.94657      | 350.1900 | .50     | 400.00  |
| Total          | 54 | 316.0887 | 155.01795      | 400.0000 | .50     | 400.00  |

### Tests of Normality

| Tempat tinggal |      | Shapiro-Wilk |    |      |
|----------------|------|--------------|----|------|
|                |      | Statistic    | df | Sig. |
| Kadar AFP      | Desa | .492         | 44 | .000 |
|                | Kota | .726         | 10 | .002 |

a. Lilliefors Significance Correction

### Kadar AFP



## NPar Tests

### Mann-Whitney Test

Ranks

| Tempat tinggal | N  | Mean Rank | Sum of Ranks |
|----------------|----|-----------|--------------|
| Kadar AFP Desa | 44 | 28.91     | 1272.00      |
| Kota           | 10 | 21.30     | 213.00       |
| Total          | 54 |           |              |

Test Statistics<sup>a</sup>

|                        | Kadar AFP |
|------------------------|-----------|
| Mann-Whitney U         | 158.000   |
| Wilcoxon W             | 213.000   |
| Z                      | -1.749    |
| Asymp. Sig. (2-tailed) | .080      |

a. Grouping Variable: Tempat tinggal

**Kadar AFP \* Tempat tinggal Crosstabulation**

|           |                         |                         | Tempat tinggal |        | Total |
|-----------|-------------------------|-------------------------|----------------|--------|-------|
|           |                         |                         | Desa           | Kota   |       |
| Kadar AFP | < 200                   | Count                   | 8              | 4      | 12    |
|           |                         | Expected Count          | 9.8            | 2.2    | 12.0  |
|           |                         | % within Tempat tinggal | 18.2%          | 40.0%  | 22.2% |
|           | 200 - 400               | Count                   | 2              | 1      | 3     |
|           |                         | Expected Count          | 2.4            | .6     | 3.0   |
|           |                         | % within Tempat tinggal | 4.5%           | 10.0%  | 5.6%  |
|           | > 4000                  | Count                   | 34             | 5      | 39    |
|           |                         | Expected Count          | 31.8           | 7.2    | 39.0  |
|           |                         | % within Tempat tinggal | 77.3%          | 50.0%  | 72.2% |
| Total     | Count                   | 44                      | 10             | 54     |       |
|           | Expected Count          | 44.0                    | 10.0           | 54.0   |       |
|           | % within Tempat tinggal | 100.0%                  | 100.0%         | 100.0% |       |

**Chi-Square Tests**

|                              | Value              | df | Asymp. Sig. (2-sided) |
|------------------------------|--------------------|----|-----------------------|
| Pearson Chi-Square           | 3.021 <sup>a</sup> | 2  | .221                  |
| Likelihood Ratio             | 2.784              | 2  | .249                  |
| Linear-by-Linear Association | 2.775              | 1  | .096                  |
| N of Valid Cases             | 54                 |    |                       |

a. 3 cells (50.0%) have expected count less than 5. The minimum expected count is .56.

**NPar Tests****Two-Sample Kolmogorov-Smirnov Test****Frequencies**

| Tempat tinggal |       | N  |
|----------------|-------|----|
| Kadar AFP      | Desa  | 44 |
|                | Kota  | 10 |
|                | Total | 54 |

**Test Statistics<sup>a</sup>**

|                        |          | Kadar AFP |
|------------------------|----------|-----------|
| Most Extreme           | Absolute | .273      |
| Differences            | Positive | .000      |
|                        | Negative | -.273     |
| Kolmogorov-Smirnov Z   |          | .778      |
| Asymp. Sig. (2-tailed) |          | .579      |

a. Grouping Variable: Tempat tinggal

## LAMPIRAN 2

**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

RSUP Dr. KARIADI

---

**ETHICAL CLEARANCE**  
**No. 278/EC/FK-RSDK/2016**

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

**DISTRIBUSI GEOGRAFI DAN KARAKTERISTIK KLINIS PASIEN KARSINOMA  
HEPATOSELLUER ETIOLOGI VIRUS HEPATITIS B  
DI RSUP. DR. KARIADI SEMARANG**

**Peneliti Utama :** *Muhammad Nadhim R.P*

**Pembimbing :** 1. Prof. dr. C. Suharti, PhD, Sp.PD-KHOM  
2. Dr. dr. Hardian

**Penelitian :** Dilaksanakan di Bagian Catatan Medik RSUP. Dr. Kariadi Semarang dan Bagian Ilmu Penyakit Dalam

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, 21 MAR 2016


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

**Ketua**  
Prof. Dr. dr. Suprihati, M.Sc, Sp.THT-KL(K)  
NIP. 19500621 197703 2 001

## Lampiran 3



**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](mailto:humas_rskariadi@yahoo.co.id), [rsdk@indosat.net.id](mailto:rsdk@indosat.net.id)



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Nomor : DL.00.02 / I.II / 1287 / 2016  
 Lamp. : -  
 Perihal : Penelitian

08 APR 2016

Yth. Dekan Fakultas Kedokteran  
 Universitas Diponegoro  
 Jl. Prof. H. Soedarto, SH - Tembalang  
 di -  
 SEMARANG

Menindak lanjuti surat Saudara No. 2733/UN7.3.4/D1/PP/2016 tanggal 24 Maret 2016 perihal Permohonan ijin penelitian, dengan ini kami sampaikan bahwa :

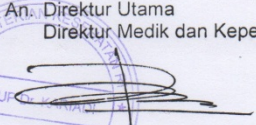
Nama peneliti : Muhammad Nadhim R.P.  
 Institusi peneliti : Prodi Sarjana Kedokteran Fakultas Kedokteran UNDIP  
 Judul penelitian : Distribusi Geografi dan Karakteristik Klinis Pasien Karsinoma Hepatoselluler Etiologi Virus Hepatitis B Di RSUP Dr. Kariadi Semarang

Pada prinsipnya diizinkan untuk melaksanakan Penelitian di Instalasi Rekam Medis RSUP Dr. Kariadi dengan ketentuan :

- ✦ Waktu pelaksanaan penelitian dapat dilakukan sewaktu hari kerja selama ± 2 bulan, dengan jumlah sampel yang dibutuhkan adalah ± 96 RM
- ✦ Peneliti mentaati Pedoman Penelitian RSUP Dr. Kariadi.
- ✦ Sebelum melakukan penelitian, peneliti agar bertemu Kepala Instalasi dan Kepala Ruangan dengan membawa Surat Izin Penelitian.
- ✦ Tidak mengganggu pelayanan.
- ✦ Memberikan laporan hasil penelitian kepada Bagian Diklit RSUP Dr. Kariadi.

Atas perhatian dan kerjasama Saudara diucapkan terima kasih.

An. Direktur Utama  
 Direktur Medik dan Keperawatan



dr. Darwito, SH, Sp.B, Sp.B(K)Onk  
 NIP. 19600203-198803 1 003

Tembusan Yth :

1. Ka. Instalasi Rekam Medis
- ② Yang bersangkutan

## LAMPIRAN 4

| NO CM   | ALAMAT     | Daerah | UMUR | KELAMIN | Kadar AFP | CP | SKOR CP | BCLC |
|---------|------------|--------|------|---------|-----------|----|---------|------|
| C427771 | Demak      | Desa   | 57   | L       | >400      | C  | 10      | D    |
| C440851 | Demak      | Desa   | 51   | L       | 26,79     | B  | 7       | B    |
| C477700 | Boyolali   | Desa   | 52   | P       | >400      | B  | 7       | B    |
| C394670 | Jepara     | Desa   | 32   | L       | >400      | B  | 9       | B    |
| C459110 | Grobogan   | Desa   | 42   | L       | 16,8      | C  | 12      | D    |
| C463443 | Demak      | Desa   | 51   | L       | Tidak ada | C  | 12      | D    |
| C406414 | Demak      | Desa   | 44   | L       | >400      | B  | 7       | B    |
| C430854 | Grobogan   | Desa   | 39   | L       | Tidak ada | B  | 8       | C    |
| C445682 | Grobogan   | Desa   | 60   | L       | 69,3      | A  | 6       | A    |
| C194653 | Blora      | Desa   | 47   | L       | Tidak ada | C  | 10      | D    |
| C460841 | Grobogan   | Desa   | 70   | L       | >400      | B  | 9       | B    |
| C434409 | Magelang   | Kota   | 32   | L       | <0,50     | C  | 10      | D    |
| C459488 | Semarang   | Kota   | 18   | L       | >400      | C  | 12      | D    |
| C243738 | Semarang   | Kota   | 74   | L       | Tidak ada | B  | 8       | B    |
| C399458 | Pekalongan | Kota   | 46   | L       | Tidak ada | A  | 6       | B    |
| C394928 | Demak      | Desa   | 45   | L       | 188,39    | B  | 9       | B    |
| C436488 | Brebes     | Desa   | 44   | P       | Tidak ada | B  | 7       | C    |
| C463589 | Demak      | Desa   | 52   | L       | >400      | B  | 9       | B    |
| C324507 | Jepara     | Kota   | 61   | P       | Tidak ada | A  | 5       | A    |
| C449106 | Kendal     | Desa   | 39   | L       | >400      | B  | 7       | B    |
| C460817 | Jakarta    | Kota   | 26   | L       | Tidak ada | C  | 11      | D    |
| C428737 | Kendal     | Desa   | 46   | L       | >400      | A  | 5       | A    |
| C467625 | Banyumanik | Kota   | 72   | L       | 36,77     | B  | 8       | B    |
| C396036 | Demak      | Desa   | 48   | L       | Tidak ada | C  | 10      | D    |
| C447716 | Demak      | Desa   | 51   | L       | Tidak ada | B  | 8       | B    |
| C410085 | Semarang   | Kota   | 54   | P       | Tidak ada | C  | 13      | D    |
| C469115 | Brebes     | Desa   | 27   | L       | Tidak ada | C  | 12      | D    |
| C413055 | Demak      | Desa   | 36   | L       | Tidak ada | A  | 6       | B    |
| C291264 | Semarang   | Kota   | 56   | L       | Tidak ada | B  | 8       | B    |
| C430422 | Semarang   | Kota   | 51   | L       | Tidak ada | C  | 10      | D    |
| 123962  | Jepara     | Kota   | 59   | L       | >400      | B  | 7       | B    |
| C486782 | Pemalang   | Kota   | 35   | L       | >400      | C  | 11      | D    |
| C479102 | Grobogan   | Desa   | 47   | L       | Tidak ada | C  | 12      | D    |
| C412892 | Demak      | Desa   | 26   | L       | 374,07    | B  | 9       | B    |
| C422252 | Semarang   | Kota   | 52   | L       | 300,38    | B  | 7       | B    |
| C490252 | Grobogan   | Desa   | 68   | L       | Tidak ada | B  | 9       | B    |
| C445972 | Semarang   | Kota   | 42   | L       | Tidak ada | B  | 7       | B    |
| C446052 | Semarang   | Kota   | 52   | L       | 45,60     | B  | 9       | C    |
| C487672 | Demak      | Desa   | 28   | P       | Tidak ada | B  | 7       | B    |

|         |            |      |    |   |           |   |    |   |
|---------|------------|------|----|---|-----------|---|----|---|
| C415201 | Demak      | Desa | 40 | L | >400      | B | 7  | B |
| C456861 | Demak      | Desa | 56 | L | Tidak ada | C | 12 | D |
| C429911 | Brebes     | Desa | 54 | L | >400      | B | 7  | C |
| C490124 | Rembang    | Desa | 38 | L | Tidak ada | B | 8  | B |
| C481474 | Pemalang   | Desa | 51 | L | >400      | C | 10 | D |
| C395964 | Grobogan   | Desa | 48 | L | Tidak ada | B | 9  | C |
| C424064 | Demak      | Desa | 35 | L | >400      | B | 7  | B |
| C486163 | Jepara     | Desa | 50 | P | Tidak ada | C | 12 | D |
| C411914 | Semarang   | Kota | 53 | L | >400      | C | 10 | D |
| C454114 | Jepara     | Desa | 42 | L | Tidak ada | B | 8  | B |
| C503513 | Pemalang   | Desa | 65 | L | 1,48      | B | 8  | B |
| C466853 | Kendal     | Desa | 23 | L | >400      | B | 7  | C |
| C367373 | Blora      | Desa | 48 | P | Tidak ada | A | 5  | A |
| C410226 | Rembang    | Desa | 53 | P | Tidak ada | C | 10 | D |
| C504476 | Demak      | Desa | 33 | L | >400      | B | 9  | B |
| C503936 | Grobogan   | Desa | 46 | L | >400      | A | 6  | C |
| C436406 | Jepara     | Desa | 45 | L | >400      | B | 7  | C |
| C449856 | Pekalongan | Kota | 42 | L | Tidak ada | B | 8  | B |
| C406516 | Demak      | Desa | 59 | L | 0,88      | B | 8  | B |
| C209996 | Semarang   | Kota | 65 | L | Tidak ada | B | 9  | C |
| C492275 | Semarang   | Kota | 65 | L | Tidak ada | C | 11 | D |
| C500355 | Pemalang   | Desa | 37 | P | >400      | C | 10 | D |
| C483108 | Semarang   | Kota | 32 | L | Tidak ada | B | 8  | C |
| C493188 | Rembang    | Desa | 38 | L | 1,59      | B | 9  | B |
| C520490 | Demak      | Desa | 28 | P | Tidak ada | C | 10 | D |
| C506290 | Kendal     | Desa | 33 | P | >400      | A | 5  | A |
| C553743 | Demak      | Desa | 55 | L | >400      | C | 5  | C |
| C529363 | Tegal      | Kota | 59 | L | >400      | B | 8  | C |
| C538583 | Semarang   | Kota | 47 | L | Tidak ada | B | 9  | B |
| C486919 | Brebes     | Desa | 72 | L | >400      | B | 9  | B |
| C484869 | Grobogan   | Desa | 53 | L | >400      | C | 11 | D |
| C485789 | Kudus      | Desa | 55 | L | >400      | C | 11 | D |
| C468529 | Brebes     | Desa | 45 | L | >400      | A | 6  | C |
| C408389 | Blora      | Desa | 58 | L | Tidak ada | B | 8  | B |
| C462899 | Demak      | Desa | 44 | P | Tidak ada | C | 10 | D |
| C520212 | Demak      | Desa | 15 | P | >400      | A | 5  | A |
| C558891 | Pemalang   | Desa | 39 | L | Tidak ada | B | 9  | C |
| C544901 | Kudus      | Desa | 39 | P | Tidak ada | A | 5  | A |
| C198178 | Semarang   | Kota | 59 | P | >400      | C | 11 | D |
| C503427 | Rembang    | Desa | 36 | L | Tidak ada | B | 9  | C |
| C487247 | Grobogan   | Desa | 43 | L | 12,01     | B | 8  | C |
| C454167 | Grobogan   | Desa | 48 | L | >400      | B | 7  | B |

|         |          |      |    |   |           |   |    |   |
|---------|----------|------|----|---|-----------|---|----|---|
| C434557 | Pati     | Desa | 30 | P | >400      | C | 10 | D |
| C422837 | Demak    | Desa | 49 | L | >400      | C | 12 | D |
| C425557 | Grobogan | Desa | 45 | L | >400      | C | 12 | D |
| C498017 | Rembang  | Desa | 66 | L | >400      | C | 11 | D |
| C467637 | Brebes   | Desa | 29 | L | Tidak ada | C | 12 | D |
| C546321 | Brebes   | Desa | 64 | L | Tidak ada | C | 10 | D |
| C536030 | Demak    | Desa | 20 | L | Tidak ada | A | 6  | B |
| C548650 | Tegal    | Kota | 46 | L | Tidak ada | B | 9  | B |
| C554043 | Grobogan | Desa | 49 | L | >400      | B | 9  | B |
| C522413 | Batang   | Desa | 76 | L | Tidak ada | B | 7  | B |
| C515784 | Demak    | Desa | 43 | L | 392,22    | B | 8  | C |
| C547424 | Kudus    | Desa | 50 | P | Tidak ada | A | 6  | B |
| C527014 | Kendal   | Desa | 39 | L | Tidak ada | C | 10 | D |
| C529734 | Kendal   | Desa | 48 | L | Tidak ada | B | 7  | B |
| C544044 | Kendal   | Desa | 67 | L | Tidak ada | B | 8  | C |
| C561706 | Semarang | Kota | 54 | L | 2,01      | B | 7  | B |
| C544044 | Semarang | Kota | 42 | L | Tidak ada | B | 9  | C |
| C554524 | Grobogan | Desa | 61 | P | Tidak ada | C | 10 | D |
| C519956 | Semarang | Kota | 44 | L | >400      | A | 6  | C |
| C533936 | Brebes   | Desa | 30 | L | Tidak ada | C | 12 | D |
| C513717 | Pati     | Desa | 57 | L | >400      | B | 9  | B |
| C547857 | Grobogan | Desa | 61 | L | >400      | B | 8  | C |

## **BIODATA**

### **Identitas**

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### **Riwayat Pendidikan Formal**

1. SD : SD Islam Hidayatullah Semarang Lulus Tahun: 2006
2. SMP : SMP Negeri 21 Semarang Lulus Tahun: 2009
3. SMA : SMA Negeri 4 Semarang Lulus Tahun: 2012
4. FK UNDIP : Masuk Tahun: 2012