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#### Lampiran 4. Formulir Persetujuan mengikuti Penelitian

KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI



UNIVERSITAS HASANUDDIN

FAKULTAS KEDOKTERAN

KOMITE ETIK PENELITIAN KESEHATAN

**Sekretariat : Lantai 2 Gedung Laboratorium Terpadu**

JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10, Makassar 90245

Contact Person: dr. Agussalim Bukhari, M.Med, Ph.D,Sp.GK (HP. 081241850858), email: agussalimbuchari@yahoo.com

#### FORMULIR PERSETUJUAN MENGIKUTI PENELITIAN

Saya yang bertandatangan di bawah ini:

Nama wali/orang tua :

Tempat dan tanggal lahir wali/orang tua :

Jenis kelamin wali/orang tua :

Alamat wali/orang tua :

No. Hp wali/orang tua :

Selaku wali/orang tua dari:

Nama anak :

Tempat dan tanggal lahir anak :

Jenis kelamin anak :

Alamat anak :

No. Hp anak :

Benar telah menerima dan mengerti penjelasan tentang “Hubungan Non Alcoholic Fatty Liver Disease Berdasarkan Diagnosis Ultrasonography dengan Status Gizi Lebih pada Anak” termasuk tujuan dan manfaat penelitian tersebut. Dengan pernyataan ini, saya membolehkan untuk mengikuti penelitian, membenarkan bahwa anak saya tidak memiliki riwayat penyakit yang berhubungan dengan hati sebelumnya(sakit kuning, dll.), dan memberikan jawaban sejujur-jujurnya tanpa paksaan pihak manapun.

Makassar, Desember

2019

Yang memberi pernyataan

(.....  
)

Penanggung Jawab Penelitian Jesita C.M Wattimena

Alamat : Jl Lanraki No.22A

No tlp : 085254488236

## Lampiran 5. Formulir Penelitian

KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI



UNIVERSITAS HASANUDDIN

FAKULTAS KEDOKTERAN

KOMITE ETIK PENELITIAN KESEHATAN

Sekretariat : Lantai 2 Gedung Laboratorium Terpadu

JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10, Makassar 90245

Contact Person: dr. Agussalim Bukhari, M.Med, Ph.D,Sp.GK (HP. 081241850858), email: agussalimbuchari@yahoo.com

**NO. Responden :**

**Tanggal :**

### **FORMULIR PENELITIAN**

HUBUNGAN *NON ALCOHOLIC FATTY LIVER DISEASE* BERDASARKAN

DIAGNOSIS *ULTRASONOGRAPHY* DENGAN STATUS GIZI LEBIH PADA

ANAK

#### **A. DATA RESPONDEN**

|    |                                  |     |       |
|----|----------------------------------|-----|-------|
| 1. | Nama                             |     |       |
| 2. | Tempat/tanggal lahir             |     |       |
| 3. | Umur                             |     |       |
| 4. | Alamat                           |     |       |
| 5. | No. Telpon/HP                    |     |       |
| 6. | Riwayat Penyakit Hati Sebelumnya | Ada | Tidak |

B.

#### **B. PENGUKURAN STATUS GIZI**

|    |                  |  |
|----|------------------|--|
| 1. | Berat Badan (kg) |  |
| 2. | Tinggi Badan (m) |  |

|    |                       |  |
|----|-----------------------|--|
| 3. | Umur                  |  |
| 4. | Indeks Massa<br>Tubuh |  |

C.

**C. PEMERIKSAAN NAFLD MENGGUNAKAN USG**

NORMAL

DERAJAT 1

DERAJAT 2

DERAJAT 3

| No           | Kelas | Nama      | Umr | Tgl Lahir  | TB    | BB   | Status Gizi | FL      | Jenis kelamin | Ukuran hepar |
|--------------|-------|-----------|-----|------------|-------|------|-------------|---------|---------------|--------------|
| SD/ SMP ELIM |       |           |     |            |       |      |             |         |               |              |
| 1            | 2     | Gisele    | 7   | 10-10-2012 | 123.6 | 35,2 | obesitas    | negatif | perempuan     | 13,46        |
| 2            | 2     | yeheskiel | 7   | 17-07-2012 | 116   | 29,9 | obesitas    | positif | laki-laki     | 11,57        |
| 3            | 3     | abraham   | 8   | 21-09-2011 | 122   | 34,8 | obesitas    | positif | laki-laki     | 11,13        |
| 4            | 3     | andre     | 8   | 15-05-2011 | 129,3 | 37   | overweight  | negatif | laki-laki     | 12,51        |
| 5            | 2     | lionel    | 7   | 7-6-12     | 137   | 51,9 | obesitas    | positif | laki-laki     | 12,37        |
| 6            | 2     | dirge     | 8   | 9-8-11     | 131   | 35,9 | gizibaik    | positif | laki-laki     | 13,14        |
| 7            | 2     | Noel      | 7   | 17-12-2012 | 126,2 | 32,9 | obesitas    | negatif | laki-laki     | 11,14        |
| 8            | 5     | Daniel    | 10  | 22-10-2009 | 147,9 | 61,9 | obesitas    | positif | laki-laki     | 16,48        |
| 9            | 5     | Toni      | 10  | 24-11-2009 | 132,2 | 47,3 | obesitas    | negatif | laki-laki     | 12,2         |
| 10           | 5     | Arson     | 10  | 29-9-2009  | 130,3 | 43   | obesitas    | negatif | laki-laki     | 11,92        |
| 11           | 5     | Herson    | 11  | 16-06-2008 | 140,2 | 50,4 | obesitas    | positif | laki-laki     | 12,17        |
| 12           | 4     | Aurel     | 8   | 28-12-2011 | 131,6 | 39,4 | overweight  | Positif | perempuan     | 14,77        |
| 13           | 5     | nexon     | 10  | 11-7-09    | 147,6 | 66,2 | obesitas    | positif | laki-laki     | 16,01        |
| 14           | 4     | maria     | 9   | 10-5-10    | 132,4 | 40,6 | gizibaik    | positif | perempuan     | 12,29        |
| 15           | 4     | Mutiara   | 10  | 25-06-2010 | 142,3 | 49,2 | overweight  | negatif | perempuan     | 12,35        |
| 16           | 3     | kiandre   | 8   | 17-08-2011 | 127,1 | 36   | obesitas    | negatif | laki-laki     | 13,59        |
| 17           | 5     | yudea     | 10  | 25-04-2009 | 143,8 | 52,1 | obesitas    | positif | laki-laki     | 15,96        |
| 18           | 4     | harel     | 9   | 20-10-2010 | 141,5 | 48,1 | obesitas    | negatif | laki-laki     | 11,06        |
| 19           | 4     | radit     | 9   | 23-02-2010 | 127,3 | 42,3 | obesitas    | negatif | laki-laki     | 10,38        |
| 20           | 4     | jhuan     | 9   | 27-07-2010 | 136,1 | 44,8 | overweight  | negatif | laki-laki     | 13,4         |
| 21           | 4     | sean      | 9   | 13-07-2010 | 137,1 | 51,7 | obesitas    | positif | perempuan     | 14,11        |

|    |    |           |    |            |       |       |            |                 |           |       |
|----|----|-----------|----|------------|-------|-------|------------|-----------------|-----------|-------|
| 1  | 8B | Kevin     | 12 | 07/03/2006 | 175,2 | 89,4  | obesitas   | positif         | laki-laki | 16,35 |
| 2  | 8B | Farla     | 13 | 01/07/2005 | 151,7 | 80,9  | obesitas   | positif         | laki-laki | 17,64 |
| 3  | 8D | Andrian o | 12 | 05/10/2006 | 163,5 | 94,6  | obesitas   | positif         | laki-laki | 16,26 |
| 4  | 8E | Antonio   | 12 | 01/03/2006 | 160   | 92,8  | obesitas   | positif         | laki-laki | 15,89 |
| 5  | 7E | Reyes     | 11 | 20/11/2207 | 143,7 | 47,4  | obesitas   | Negatif         | laki-laki | 14,44 |
| 6  | 9B | Carlo     | 13 | 06/12/2005 |       |       |            | Negatif         | laki-laki | 12,4  |
| 7  | 7E | Bimo      | 13 | 06/12/2005 |       |       |            | positif         | laki-laki | 15    |
| 8  | 7E | Ervan     | 11 | 17/10/2007 |       |       |            | positif         | laki-laki | 15,04 |
| 9  | 7A | Jackelyn  | 11 | 21/07/2007 | 171,4 | 90,7  | obesitas   | positif         | perempuan | 15,3  |
| 10 | 7A | Reza      | 11 | 14/06/2007 | 149,7 | 74,5  | obesitas   | Negatif         | laki-laki | 12,75 |
| 11 | 7A | Yohanes   | 11 | 18/05/2007 | 157,6 | 68,9  | obesitas   | Negatif         | laki-laki | 14,42 |
| 12 | 8D | Fernando  | 12 | 28/08/2006 | 171,4 | 90,7  | obesitas   | Positif         | laki-laki | 15,39 |
| 13 | 7B | Olivia    | 11 | 10/07/2007 | 151,6 | 65    | obesitas   | Negatif         | perempuan | 12,69 |
| 14 | 9B | Christo   | 13 | 09/09/2005 | 157,7 | 100,3 | obesitas   | positif         | laki-laki | 15,04 |
| 15 | 9B | Rusiano   | 13 | 15/11/2005 | 158   | 78,4  | obesitas   | Negatif         | laki-laki | 12,22 |
| 16 | 9B | Yoan      | 13 | 01/01/2005 |       |       |            | positif         | laki-laki | 14,23 |
| 17 | 8D | Irvin     | 12 | 26/06/2006 | 161   | 78,7  | obesitas   | positif         | laki-laki | 15,56 |
| 18 | 9C | Daniel    | 11 | 05/10/2005 |       |       |            | positif         | laki-laki | 14,43 |
| 19 | 9E | Devin     | 11 | 17/07/2005 |       |       |            | positif         | laki-laki | 12,22 |
| 20 | 9A | Marcel    | 11 | 22/03/2005 | 158   | 45    | gizinormal | Negatif kontrol | laki-laki | 14,14 |
| 21 |    | Samuel    |    | 04/09/2006 | 165   | 74    | obesitas   | Negatif kontrol | laki-laki | 13,37 |

|                  |    |              |    |            |     |    |            |                 |           |       |
|------------------|----|--------------|----|------------|-----|----|------------|-----------------|-----------|-------|
| 22               | 8D | David        | 12 | 05/01/2006 | 165 | 50 | gizinormal | Negatif kontrol | laki-laki | 13,43 |
| 23               | 8G | Gerald       | 12 | 12/03/2006 | 160 | 61 | overweight | Negatif kontrol | laki-laki | 13,36 |
| 24               | 8G | Ryan Wijaya  | 11 | 02/05/2007 | 161 | 50 | gizibaik   | Negatif kontrol | laki-laki | 12,77 |
| <b>SAMPEL RS</b> |    |              |    |            |     |    |            |                 |           |       |
| 1                |    | Intan Auliah | 13 |            | 157 | 72 |            | Positif         | perempuan | 14,05 |

## Lampiran 7. Hasil SPSS

DESCRIPTIVES VARIABLES=sekolah usia tb bb statusgizi FL ukuran\_hepar  
/STATISTICS=MEAN STDDEV MIN MAX.

### Descriptives

| Notes                  |  |   |
|------------------------|--|---|
| Output Created         |  | 18-DEC-2019 13:54:10                                |
| Comments               |  |   |
| Input                  | Active Dataset   | DataSet2  |
|                        | Filter   | <none>  |
|                        | Weight   | <none>  |
|                        | Split File   | <none>  |
|                        | N of Rows in Working Data File   | 46  |
| Missing Value Handling | Definition of Missing  | User defined missing values are treated as missing. |
|                        | Cases Used   | All non-missing data are used.                      |
| Syntax                 | DESCRIPTIVES<br>VARIABLES=sekolah usia tb<br>bb statusgizi FL<br>ukuran_hepar<br>/STATISTICS=MEAN<br>STDDEV MIN MAX. |   |
| Resources              | Processor Time   | 00:00:00.00   |
|                        | Elapsed Time   | 00:00:00.19   |

### Descriptive Statistics

|                    | N  | Minimum | Maximum | Mean     | Std. Deviation |
|--------------------|----|---------|---------|----------|----------------|
| sekolah            | 46 | 1.00    | 3.00    | 1.5652   | .54374         |
| usia               | 46 | 7.00    | 13.00   | 10.4565  | 1.87031        |
| tb                 | 27 | 116.00  | 1479.00 | 729.8407 | 623.30265      |
| bb                 | 27 | 35.20   | 662.00  | 294.1704 | 220.57580      |
| statusgizi         | 46 | 1.00    | 3.00    | 2.6087   | .74471         |
| FL                 | 46 | 1.00    | 2.00    | 1.4565   | .50361         |
| ukuran_hepar       | 46 | 10.38   | 17.64   | 13.7043  | 1.69839        |
| Valid N (listwise) | 27 |         |         |          |                |

FREQUENCIES VARIABLES=sekolah usia statusgizi FL  
/ORDER=ANALYSIS.

### Frequencies

#### Notes

|                        |  |   |
|------------------------|--|---|
| Output Created         | 18-DEC-2019 13:54:30   |   |
| Comments               |  |   |
| Input                  | Active Dataset   | DataSet2  |
|                        | Filter   | <none>  |
|                        | Weight   | <none>  |
|                        | Split File   | <none>  |
|                        | N of Rows in Working Data  | 46  |
|                        | File   |   |
| Missing Value Handling | Definition of Missing  | User-defined missing values are treated as missing. |
|                        | Cases Used   | Statistics are based on all cases with valid data.  |
| Syntax                 | FREQUENCIES<br>VARIABLES=sekolah usia<br>statusgizi FL<br>/ORDER=ANALYSIS. |   |
| Resources              | Processor Time   | 00:00:00.00   |
|                        | Elapsed Time   | 00:00:00.03   |

### Statistics

|   | sekolah | usia | statusgizi | FL |
|---|---------|------|------------|----|
| N | Valid   | 46   | 46         | 46 |
|   | Missing | 0    | 0          | 0  |

### Frequency Table

#### sekolah

| Valid | SD Elim    | Frequency | Percent | Cumulative Percent |         |
|-------|------------|-----------|---------|--------------------|---------|
|       |            |           |         | Valid Percent      | Percent |
|       | SMP Frater | 24        | 52.2    | 52.2               | 97.8    |
|       | RS         | 1         | 2.2     | 2.2                | 100.0   |
|       | Total      | 46        | 100.0   | 100.0              |         |

#### usia

| Valid | Frequency | Percent | Valid Percent | Cumulative Percent |                    |
|-------|-----------|---------|---------------|--------------------|--------------------|
|       |           |         |               | Percent            | Cumulative Percent |
|       | 7.00      | 4       | 8.7           | 8.7                | 8.7                |
|       | 8.00      | 5       | 10.9          | 10.9               | 19.6               |
|       | 9.00      | 5       | 10.9          | 10.9               | 30.4               |
|       | 10.00     | 6       | 13.0          | 13.0               | 43.5               |
|       | 11.00     | 11      | 23.9          | 23.9               | 67.4               |
|       | 12.00     | 8       | 17.4          | 17.4               | 84.8               |
|       | 13.00     | 7       | 15.2          | 15.2               | 100.0              |
|       | Total     | 46      | 100.0         | 100.0              |                    |

#### statusgizi

|  | Frequency | Percent | Valid Percent | Cumulative Percent |                    |
|--|-----------|---------|---------------|--------------------|--------------------|
|  |           |         |               | Percent            | Cumulative Percent |
|  |           |         |               |                    |                    |

|       |                   |    |       |       |       |
|-------|-------------------|----|-------|-------|-------|
| Valid | <u>gizi baik</u>  | 7  | 15.2  | 15.2  | 15.2  |
|       | <u>overweight</u> | 4  | 8.7   | 8.7   | 23.9  |
|       | <u>obesitas</u>   | 35 | 76.1  | 76.1  | 100.0 |
|       | Total             | 46 | 100.0 | 100.0 |       |

|       |                | <b>FL</b> |               | Cumulative Percent |
|-------|----------------|-----------|---------------|--------------------|
|       | Frequency      | Percent   | Valid Percent |                    |
| Valid | <u>positif</u> | 25        | 54.3          | 54.3               |
|       | <u>negatif</u> | 21        | 45.7          | 100.0              |
|       | Total          | 46        | 100.0         | 100.0              |

### CROSSTABS

```
/TABLES=statusgizi BY FL
/FORMAT=AVALUE TABLES
/CELLS=COUNT
/COUNT ROUND CELL.
```

### Crosstabs

#### Notes

|                                |   |
|--------------------------------|---|
| Output Created                 | 18-DEC-2019 13:55:01                                |
| Comments                       |   |
| Input                          | Active Dataset                                      |
|                                | DataSet2  |
| Filter                         | <none>  |
| Weight                         | <none>  |
| Split File                     | <none>  |
| N of Rows in Working Data File | 46  |
| Missing Value Handling         | Definition of Missing                               |
|                                | User-defined missing values are treated as missing. |

|           |                      |   |
|-----------|----------------------|---|
|           | Cases Used           | Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table. |
| Syntax    |                      | CROSSTABS<br>/TABLES=statusgizi BY FL<br>/FORMAT=AVALUE TABLES<br>/CELLS=COUNT<br>/COUNT ROUND CELL.                            |
| Resources | Processor Time       | 00:00:00.00   |
|           | Elapsed Time         | 00:00:00.02   |
|           | Dimensions Requested | 2   |
|           | Cells Available      | 349496  |

### Case Processing Summary

|                 | Cases |         |         |         |       |         |
|-----------------|-------|---------|---------|---------|-------|---------|
|                 | Valid |         | Missing |         | Total |         |
|                 | N     | Percent | N       | Percent | N     | Percent |
| statusgizi * FL | 46    | 100.0%  | 0       | 0.0%    | 46    | 100.0%  |

### statusgizi \* FL Crosstabulation

|            |  | Count   |         |       |
|------------|--|---------|---------|-------|
|            |  | FL      |         | Total |
| statusgizi |  | positif | negatif |       |
| gizi baik  |  | 2       | 5       | 7     |
| overweight |  | 1       | 3       | 4     |
| obesitas   |  | 22      | 13      | 35    |
| Total      |  | 25      | 21      | 46    |

### CROSSTABS

/TABLES=statusgizi BY FL  
/FORMAT=AVALUE TABLES  
/STATISTICS=CHISQ  
/CELLS=COUNT  
/COUNT ROUND CELL.

## Crosstabs

### Notes

|                        |   |   |
|------------------------|---|---|
| Output Created         | 18-DEC-2019 13:55:13  |   |
| <b>Comments</b>        |   |   |
| Input                  | Active Dataset  | DataSet2  |
|                        | Filter  | <none>  |
|                        | Weight  | <none>  |
|                        | Split File  | <none>  |
|                        | N of Rows in Working Data File  | 46  |
| Missing Value Handling | Definition of Missing   | User-defined missing values are treated as missing.   |
|                        | Cases Used  | Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table. |
| Syntax                 | <pre>CROSSTABS /TABLES=statusgizi BY FL /FORMAT=AVALUE TABLES /STATISTICS=CHISQ /CELLS=COUNT /COUNT ROUND CELL.</pre> |   |
| Resources              | Processor Time  | 00:00:00.02   |
|                        | Elapsed Time  | 00:00:00.12   |
|                        | Dimensions Requested  | 2   |
|                        | Cells Available   | 349496  |

### Case Processing Summary

|       | Cases |         |
|-------|-------|---------|
| Valid |       | Missing |
|       |       | Total   |

|                 | N  | Percent |  | N | Percent |  | N  | Percent |
|-----------------|----|---------|--|---|---------|--|----|---------|
| statusgizi * FL | 46 | 100.0%  |  | 0 | 0.0%    |  | 46 | 100.0%  |

### **statusgizi \* FL Crosstabulation**

Count

| FL      |   | statusgizi |            |          | Total |
|---------|---|------------|------------|----------|-------|
|         |   | gizi baik  | overweight | obesitas |       |
| positif | 2 |            | 1          | 22       | 25    |
| negatif | 5 |            | 3          | 13       | 21    |
| Total   | 7 |            | 4          | 35       | 46    |

### **Chi-Square Tests**

|                              | Value              | df | Asymptotic Significance (2-sided) |
|------------------------------|--------------------|----|-----------------------------------|
| Pearson Chi-Square           | 4.285 <sup>a</sup> | 2  | .117                              |
| Likelihood Ratio             | 4.367              | 2  | .113                              |
| Linear-by-Linear Association | 3.614              | 1  | .057                              |
| N of Valid Cases             | 46                 |    |                                   |

a. 4 cells (66.7%) have expected count less than 5. The minimum expected count is 1.83.

### **statusgizi**

| Valid     |    | Frequency | Percent | Valid Percent | Cumulative |
|-----------|----|-----------|---------|---------------|------------|
|           |    |           |         |               | Percent    |
| gizi baik | 5  | 10.9      |         | 10.9          | 10.9       |
|           | 5  | 10.9      |         | 10.9          | 21.7       |
|           | 36 | 78.3      |         | 78.3          | 100.0      |
| Total     | 46 | 100.0     |         | 100.0         |            |

### **jk**

|  | Frequency | Percent | Valid Percent | Cumulative |
|--|-----------|---------|---------------|------------|
|  |           |         |               | Percent    |
|  |           |         |               |            |

|       |           |    |       |       |       |
|-------|-----------|----|-------|-------|-------|
| Valid | laki-laki | 38 | 82.6  | 82.6  | 82.6  |
|       | perempuan | 8  | 17.4  | 17.4  | 100.0 |
|       | Total     | 46 | 100.0 | 100.0 |       |

### statusgizi \* FL Crosstabulation

Count

| FL |         | statusgizi |            |          | Total |
|----|---------|------------|------------|----------|-------|
|    |         | gizi baik  | overweight | obesitas |       |
|    | positif | 2          | 1          | 22       | 25    |
|    | negatif | 3          | 4          | 14       | 21    |
|    | Total   | 5          | 5          | 36       | 46    |

### Chi-Square Tests

|                              | Value              | df | Asymptotic Significance (2-sided) |
|------------------------------|--------------------|----|-----------------------------------|
| Pearson Chi-Square           | 3.456 <sup>a</sup> | 2  | .178                              |
| Likelihood Ratio             | 3.573              | 2  | .168                              |
| Linear-by-Linear Association | 1.948              | 1  | .163                              |
| N of Valid Cases             | 46                 |    |                                   |

a. 4 cells (66.7%) have expected count less than 5. The minimum expected count is 2.28.

### Lampiran 8. Biodata Penulis



#### A. Identitas Diri

|   |                          |  |
|---|--------------------------|--|
| 1 | Nama Lengkap             | Jesita C.M Wattimena   |
| 2 | Jenis Kelamin            | Perempuan  |
| 3 | Program Studi            | Pendidikan Dokter  |
| 4 | NIM                      | C111 16 372  |
| 5 | Tempat dan Tanggal Lahir | Makassar, 27 Desember 1998   |
| 6 | E-mail                   | <a href="mailto:jessita_iness@yahoo.co.id">jessita_iness@yahoo.co.id</a> |
| 7 | Nomor Telepon            | 085254488236   |
| 8 | Alamat                   | Jalan Lanraki No.2AA   |

#### B. Riwayat Pendidikan

|  |    |     |     |
|--|----|-----|-----|
|  | SD | SMP | SMA |
|--|----|-----|-----|

|                       |                          |                     |                  |
|-----------------------|--------------------------|---------------------|------------------|
| Nama Institusi        | SD.Frater Bakti<br>Luhur | SMPN 30<br>Makassar | SMAN 17 Makassar |
| Jurusan               | -                        | -                   | IPA              |
| Tahun Masuk-<br>Lulus | 2004-2011                | 2011-2013           | 2013-2016        |