

DAFTAR PUSTAKA

- Abduh Natsir (2018). Analisis Pengembangan Usaha Keripik Dangke di Kabupaten Enrekang, Jurnal Dedikasi, Vol. 20, No. 1, hlm 56-64
- Al rahmat (2017), Pengaruh Asupan Protein dan Zat Besi (Fe) terhadap Kadar Hemoglobin pada Wanita Bekerja Jurnal Kesehatan, Volume VIII, Nomor 3, hlm 321-325
- Almatsier, S. 2009. Basic Principles of Nutrition. Jakarta: Gramedia Pustaka Utama.
- Aspuru K, Villa C, Bermejo F, Herrero P, Lopez SG. Optimal Management of Iron Deficiency Anemia Due to Poor Dietary Intake. Int. J. Gen. Med. 2011;4: 741–50.
- Bekele A, Tilahun M, Mekuria A (2016). Prevalensi anemia dan hubungannya faktor yang terkait di antara wanita hamil menghadiri perawatan antenatal di bidang Kesehatan Institusi Arba Minch Town, Gamo Gofa Zone, Ethiopia: A Cross-Studi Sectional. <http://dx.doi.org/10.1155/2016/1073192>.
- Ciavattini, A. (2019). *The association between childbirth , breastfeeding , and uterine fibroids : an observational study*, (June), 1–8.
- Cauthino, E et al. (2019). *Nurses-Puerperal Mothers Interaction: Searching For Cultural Care. Article O(online)*. 72(4), 910–917.
- Chrispinus Siteti M. Anaemia in Pregnancy: Prevalence and Possible Risk Factors in Kakamega County, Kenya. Sci J Public Heal [Internet]. 2014;2(3):216. Available from: <http://www.sciencepublishinggroup.com/journal/paperinfo.aspx?journalid=251&doi=10.11648/j.sjph.20140203.23>
- Dahlan, Sopiudin., 2017. Statistik Untuk Kedokteran dan Kesehatan Edisi 6. Jakarta, Salemba Medika.
- Darnton-hill I, Mkpuru UC (2015). Mikro-nutrisi dalam kehamilan di rendah dan negara-negara berpenghasilan menengah: 1744-1768. doi: 10.3390/nu7031744.
- Departemen Kesehatan. (2014). PMK No. 88 Tablet Tambah Darah. *Kemenkes 2014*, (1), 1– 5. <https://doi.org/10.1007/s13398-014-0173-7.2>
- Desriani, R. Hubungan Antara Asupan Protein, Zat Besi (Fe) Dan Vitamin C dengan Kejadian Anemia Pada Siswi Smk Penerbangan Bina Dhirgantara Langanyar. (Universitas Muhammadiyah Surakarta, 2016).



Dinas Kesehatan kota Makassar (Dinkes). (2015). *Profil kesehatan kota Makassar tahun 2015*. Diakses pada tanggal 1 september 2019 .

Ekanem, AD et al. (2004). *Post-Partum Practices Among Women In Calabar, Nigeria*:34, 97-98.

Ernawati Fitrah (2013). Pengaruh Asupan Protein Ibu Hamil Dan Panjang Badan Bayi Lahir Terhadap Kejadian Stuntingpada Anak Usia 12 Bulandi Kabupaten Bogor Penelitian Gizi Dan Makanan,S Vol. 36 (1): 1-11

Gallagher, M. The Nutrients and Their Metabolism. In: Mahanan LK, Escott-Stump S. Krause Food, Nutrition, and Diet Therapy. (Saunders, 2008).

Indar dkk.(2016). Kongres nasional ikatan ahli kesehatan masyarakat Indonesia. Konas lakmi XIII: Makassar

Kale, A., Deardorff, J., Lahiff, M., Laurent, C., Greenspan, L. C., Hiatt, R. A., Mirabedi, A. (2016). *Breastfeeding Versus Formula-Feeding & Girls' Pubertal Development*. NIH Public Access, (online) 19(3), 519–527.

Kemendes RI. infodatin-ibu (AKI Di Indonesia). *Situasi Kesehatan Ibu*. Jakarta: Kemendes RI: 2014

Linder, M. 2009. Biokimia Nutrisi dan Metabolisme. Jakarta: Universitas Indonesia.

Malaka R, Hatta W dan Baco S 2017 Evaluasi penggunaan edible coating dan pemasakan pada Dangke, keju tradisional dari Riset *Makanan Indonesia* 1 51-56

Manuaba, I.A.C. (Eds.2). (2010). *Ilmu Kebidanan, Penyakit Kandungan, dan KB*. EGC: Jakarta.

Mantika AI, Mulyati T. Hubungan Asupan Energi, Protein, Zat Besi dan Aktivitas Fisik dengan Kadar Hemoglobin Tenaga Kerja Wanita di Pabrik Pengolahan Rambut PT. Won Jin Indonesia. *J Nutr Coll*. 2014;3(4): 848–54.

Maria Desi (2019). Pengaruh Pemberian Rebusan Daun Pucuk Labu Kuning Terhadap Peningkatan Kadar Hb Ibu Hamil Trimester III Ural Kesehatan :Stikes Prima Nusantara Bukittinggi-Vol.1 no.01, hlm 27-31



2018). Faktor-Faktor Yang Berhubungan Dengan Kepatuhan Ibu Hamil am Mengkonsumsi Tablet Besi (Fe) Di Puskesmas Sawang Kabupaten u Tagulandang Biaro Jurnal KESMAS, Vol. 7 No. 5,

Mehnaz S, Afzal S, Khalil S, Khan Z. Impact of Iron, Folate and Vitamin C Supplementation on the Prevalence of Iron Deficiency Anemia in Non-Pregnant Females of Peri Urban Areas of Aligarh. *Indian Journal of Community Medicine*. 2006;31(3): 30–2.

Mekuria, A., Bekele, A., Tilahun, M., & Bekele, A. (2016). Prevalensi anemia dan faktor-faktor yang terkait di antara wanita hamil yang menghadiri perawatan antenatal di lembaga kesehatan kota Arbaminch, Zona Gamo Gofa, Ethiopia: studi cross-sectional. *Perusahaan Penerbitan Hindawi*

Octadinal, Iswardani, Mohammad Hakimi, Arif Rahmat Kurnia. (2019) Asosiasi Konsumsi Pil Besi selama Kehamilan dengan Insidensi Anemia Maternal di Indonesia (Studi Analisis Lanjutan IFLS 5) *Jurnal Pendidikan Kesehatan* 4 (1) : 28-32 <https://journal.unnes.ac.id/sju/index.php/jhealthedu>

Organisasi Kesehatan Dunia. Target nutrisi global 2025: ringkasan kebijakan anemia (WHO / NMH / NHD / 14.4) Jenewa: Organisasi Kesehatan Dunia; 2014. Tersedia dari: https://www.who.int/nutrition/publications/globaltargets2025_policybrief_anaemia/id/ Diakses pada:11-01-2019

Paputungan, SR, Kapantow, NH dan Rattu, AJM (2016). Hubungan Antara Asupan Zat Besi Dan Protein Dengan Kejadian Anemia Pada Siswi Kelas VIII dan IX di SMPN 8. *Pharmakon Jurnal ilmiah Farmasi-UNSRAT*, 5 (1): 348-354.

Pei-Lun Hsieh, Mira Triharin, Nursalam, Agus Sulistyono, Adriani, (2018) Persepsi Manfaat dan Asupan Protein, Vitamin C dan Zat Besi dalam Mencegah Anemia pada Wanita Hamil. *Jurnal Ners*, 13 (2), 156-161. doi: <http://dx.doi.org/10.20473/jn.v13i2.7712>

Proverawati, A., Wati, & Kusuma, E. (2011). Ilmu Gizi untuk Keperawatan dan Gizi Kesehatan. Yogyakarta: Nuha Medika.

Purbawati L, 2013 Hubungan Tingkat Pengetahuan Tentang Anemia Dengan Kejadian Anemia Pada Ibu Hamil *Jurnal Gizi Universitas Muhammadiyah Semarang*, 2 (1)

Purwatingtyas, K. D. 2011. Hubungan Asupan Zat Gizi dan Pola Menstruasi dengan Kejadian Anemia pada Remaja Putri di SMAN 2 Semarang. Tesis, Program Studi Ilmu Gizi, Fakultas Kedokteran, Universitas Diponegoro, Semarang.



syamsul (2014) Studi Pengembangan Dangke sebagai Pangan Lokal pengganti Susu Di Kabupaten Enrekang, *Jurnal Aplikasi Teknologi Pangan* 3 (2), 41-46

- Romayani Umi, 2016 Pengaruh Pemberian Tablet Fe Terhadap Peningkatan Kadar Hb Pada Ibu Hamil Di Puskesmas Rawat Inap Kemiling Bandar Lampung Tahun 2016, *Jurnal Kesehatan Holistik (The Journal Of Holistic Healthcare)*, Volume 10, No.3, Juli 2016:1-4
- Saifuddin, Dkk, Buku Acuan Nasional Pelayanan Kesehatan Maternal Dan Perinatal, Pt. Bina Pustaka Sarwono Prawirohardjo, Jakarta, 2006
- Sajith, M., Nimbargi, V., Shah, S., Tekawade, S., Agiwale, J., & Pawar, A. (2016). Korelasi kepatuhan terhadap suplemen zat besi dan prevalensi anemia pada wanita antenatal. *Jurnal Internasional Reproduksi Kontrasepsi, Kebidanan dan Ginekologi*, 5 (10), 3448–3452. <https://doi.org/http://dx.doi.org/10.18203/2320-1770.ijrcog20163421>
- Siahaan G, Siallagan RF, Purba R, Oppusungu R. Mikronutrien Penyebab Anemia pada Pengguna Narkoba di Medan Tembung. *Media Gizi Indonesia*. 2018; 13(2): 89–99.
- Satriani, dkk.2019. Pengaruh Status Sosial dan Ekonomi Ibu Hamil Terhadap Kejadian Anemia di Kabupaten Jeneponto, Universitas Muhamadiyah Tangerang Vol 4 No 2 Tahun 2019
- Singh, P., Khan, S., & Mittal, RK (2013). Anemia Selama Kehamilan pada Wanita Nepal Barat. *Bali Medical JournalBMJ*, 2 (1), 14-16.
- Singh, MB, Fotedar, R., & Lakshminarayana, J. (2009). Status defisiensi mikronutrien antara wanita dari daerah gurun di Rajasthan barat, India. *Nutrisi Kesehatan Masyarakat*, 12 (5), 624-629. <https://doi.org/10.1017/S1368980008002395>
- Suliga, E. (2013). Faktor ekonomi dan sosial dan kualitas gizi ibu hamil. *Studia Medyczne*, 29 (2), 160–166.
- Sholicha, C. Hubungan Asupan Fe, Protein, Vitamin C dan Pola Menstruasi dengan Kejadian Anemia Pada Remaja Putri. (Universitas Airlangga, 2018). Tantri Puspita, Peranan Jerayingmongkol,
- Thompson B. Combating Iron Deficiency: Food-based Approaches. In: Thompson B, Amiroso L, editors. Combating Micronutrients Deficiencies: Food-based Approaches. Rome: Food and Agriculture Organization of United Nations; 2011.
- Boosaba Sanguanprasit (2019) Hubungan Antara Self-Efficacy dan Tablet Besi yang Mengonsumsi Wanita Hamil di Kabupaten Garut *Jurnal Kesehatan Masyarakat Unnes* 8 (2) <http://journal.unnes.ac.id/sju/index.php/ujph>



ra, CA, Stanaway, JD, Neuhaus, ML, Snetselaar, LG, Stefanick, ML, Mendell, L., & Chen, Z. (2011). Asupan Nutrisi dan Risiko Anemia dalam Observasi Prakarsa Kesehatan Perempuan. *Jurnal Diet Amerika*

- Völgyi, E., Carroll, KN, Hare, ME, Ringwald-Smith, K., Piyathilake, C., Yoo, W., & Tylavsky, FA (2013). Pola diet dalam kehamilan dan efek pada asupan nutrisi di pertengahan selatan: Kondisi yang mempengaruhi perkembangan neurokognitif dan pembelajaran dalam studi anak usia dini (LILIN).
- Widji Utomo, A. P., Nurdianti, D. S. & Padmawati, R. S. 2016. Rendahnya asupan zat besi dan kepatuhan mengonsumsi tablet besi berhubungan dengan kejadian anemia pada ibu hamil di Wilayah Kerja Puskesmas I Kembaran, Banyumas. *Jurnal Gizi dan Dietetik Indonesia (Indonesian Journal of Nutrition and Dietetics)*,
- Wigati Putri Wahyu (2018). Pengaruh Pemberian Kombinasi Jus Bayam dan Jambu Biji terhadap Kadar Hemoglobin pada Ibu Hamil di Wilayah Kerja Puskesmas Balowerti Kota Kediri, *Journal for Quality in Women's Health* Vol. 1 No. 2 DOI:10.30994/jqwh.v1i2.10
- Zakariah M. Askari (2019). Isolasi dan Identifikasi Bakteri Asam Laktat dari Dangke Keju Putih Lembut Tradisional dari Kabupaten Enrekang, *Jurnal Internasional Teknologi dan Teknik Terbaru* vol.8 edisi 2.
- Zakariah M. Askari (2018). Kontaminasi mikroba pada keju putih segar dangke dari industri rumah tangga tradisional di Kabupaten Enrekang, *Konferensi Internasional Sains dan Teknologi Hewan (ICAST)* doi: 10.1088 / 1755-1315 / 247/1/01204
- Zarianis , 2006. Efek Suplementasi Besi-Vitamin C dan Vitamin C terhadap Kadar Hemoglobin Anak Sekolah Dasar yang Anemia di Kecamatan Sayung Kabupaten Demak. Tesis. Semarang: Program Pasca Sarjana Universitas Diponegoro





Optimized using
trial version
www.balesio.com

LAMPIRAN





KEMENTERIAN KESEHATAN RI
DIREKTORAT JENDERAL PELAYANAN KESEHATAN
BALAI BESAR LABORATORIUM KESEHATAN MAKASSAR
 Jl. Perintis Kemerdekaan KM.11 Tamaloeva Makassar 90245



LAPORAN HASIL UJI

Report of Analysis

No : 20001115 / LHU / BBLK-MKS / 1 / 2020

Nama Customer : RIKA RIYANDANI
 Customer Name :
 Alamat : Jl. Perintis Kemerdekaan 4 Lr. 1 No. 17 B
 Address :
 Jenis Sampel : Kerupuk Dangka
 Type of Sample (S) :
 No. Sampel : 20001115
 No. Sample :
 Tanggal Penerimaan : 20 Januari 2020
 Received Date : January 20, 2020

HASIL PEMERIKSAAN

| NO. | PARAMETER | SATUAN | HASIL PEMERIKSAAN | SPESIFIKASI METODE |
|-----|-----------|--------|-------------------|--------------------|
| 1 | Lemak | % | 29.29 | Gravimetrik |
| 2 | Protein | % | 9 | Kjehdal |
| 3 | Besi (Fe) | µg/g | 8.03 | Atomisasi |

Catatan : 1 Hasil uji ini berlaku untuk sampel yang diuji

Note : The analytical result are only valid for the tested sample

2 Laporan hasil uji ini terdiri dari 1 halaman

The report of analysis consists of 1 page

3 Laporan hasil uji ini tidak boleh digandakan kembali secara lengkap dan utuh tanpa ijin tertulis Laboratorium Pengujian Balai Besar Laboratorium Kesehatan Makassar

This report of analysis shall not be reproduced (copied) except for the completed one and with their written permission of the testing Laboratory Balai Besar Laboratorium Kesehatan Makassar.

Makassar, 27 Februari 2020

Kepala BBLK Makassar,

Dr. ASWAN USMAN, M.Kes

NIP : 197104042002121001



PERNYATAAN KESEDIAAN MENJADI SUBJEK PENELITIAN
(INFORMED CONSENT)

Yang bertanda tangan di bawah ini, saya:

Nama Ibu :
 Alamat :
 No Telepon/Whatsapp :
 No.Tlpn Wali :

Bersedia Dan Mau Berpartisipasi Menjadi Responden Penelitian Dengan Judul
 “Efektivitas Pemberian Kerupuk Dangke Terhadap Peningkatan Asupan Zat Gizi
 dan Kadar Hemoglobin Darah Pada Ibu Hamil Trimester II dengan Anemia Di
 Puskesmas Kabere dan Puskesmas Kota Kabupaten Enrekang” yang dilakukan
 oleh :

Nama : Rika Riyandani
 Alamat : Jln. Perintis Kemerdekaan IV No.17 B
 Instansi : Prodi Ilmu Kebidanan Pascasarjana UNHAS
 No. HP : 082194376337

Demikian pernyataan ini saya buat dengan sesungguhnya tanpa ada paksaan
 dari siapapun.

Makassar, 2019

Peneliti

Responden



/andani)

(.....)

A. KUESIONER KARAKTERISTIK RESPONDEN



PENELITIAN PENGARUH PEMBERIAN KERUPUK DANGKE TERHADAP
PENINGKATAN KADAR HEMOGLOBIN DAN ASUPAN NUTRISI PADA IBU
HAMIL ANEMIA DI KABUPATEN ENREKANG

| I. IDENTITAS RESPONDEN | | | |
|------------------------|---|---|---|
| 1 | Nama Kecamatan | | |
| 2 | Nama Desa | | |
| 3 | Nama Dusun | | |
| 4 | Nama Responden | | |
| | Tanggal Lahir |/...../..... | |
| II. DATA RUMAH TANGGA | | | |
| 5 | Umur ibu/Bapak a. Ibu b. Bapak |tahuntahun | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| 6 | Pendidikan a. Ibu b. Bapak | 01. Tdk pernah sekolah 02. Tdk tamat SD 03. Tamat SD 04. SMP/Sederajat 05. SMA/ sederajat 06. Diploma 07. Universitas | <input type="checkbox"/> <input type="checkbox"/> a. <input type="checkbox"/> <input type="checkbox"/> b. |
| 7 | Jenis pekerjaan utama a. ibu | 01. Petani 02. Peternak 03. Peg. Negri 04. Peg. Swasta 05. Penjual 06. IRT 07. Lainnya Sebutkan! | <input type="checkbox"/> <input type="checkbox"/> a. <input type="checkbox"/> <input type="checkbox"/> b. |
| 8 | Berapa rata-rata pendapatan keluarga setiap ? | Rp..... | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| III. DATA IBU HAMIL | | | |
| | kehamilan saat ini |minggu | <input type="checkbox"/> <input type="checkbox"/> |



| | | | |
|-----------------------------------|--|---|--|
| 10 | Apakah ibu memeriksakan kehamilan saat ini ? | 0 Tidak -> Lanjut no 11 1 Ya | <input type="checkbox"/> |
| 11 | Bila Ya, siapa yang memeriksa kehamilan ibu | 01. Bidan di Desa 02. Bidan 03. Dokter 04. Dukun 05. Lainnya, Sebutkan! | <input type="checkbox"/> <input type="checkbox"/> |
| 12 | Berapa kali ibu memeriksakan kehamilan | Trimester I..... kali Trimester II..... kali Trimester III..... kali | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 13a | Adakah yang menganjurkan ibu memeriksakan kehamilan? | 0 Tidak -> Lanjut no 14 1 Ya | <input type="checkbox"/> |
| 13b | Jika ya, siapa yang menganjurkan? | 01. Suami 02. Orang Tua 03. Mertua 04. Lainnya, Sebutkan! | <input type="checkbox"/> <input type="checkbox"/> |
| 14 | Dimana ibu berencana melahirkan? | 01. Rumah sendiri 02. Puskesmas 03. Polindes 04. Lainnya, Sebutkan! | <input type="checkbox"/> <input type="checkbox"/> |
| IV. PEMBERIAN PMT SAAT INI | | | |
| 15 | Apakah ibu menerima PMT saat ini? | 0 Tidak -> Lanjut no 18 1 Ya | <input type="checkbox"/> |
| 16 | Bila Ya, dimana ibu memperoleh PMT tersebut? | 01. Posyandu 02. Puskesmas 03. Pustu 04. Lainnya, Sebutkan! | <input type="checkbox"/> <input type="checkbox"/> |
| 17 | Siapa yang mmberikan PMT tersebut | 01. Kader 02. Bidan di Desa 03. Petugas Puskesmas 04. Lainnya, Sebutkan! | <input type="checkbox"/> <input type="checkbox"/> |
| | Apakah ada pantangan makan dan minum selama kehamilan? | 0 Tidak -> Lanjut no 20 1 Ya | <input type="checkbox"/> |
| | Jika Ya, Sebutkan | Akibatnya | |



| | | | |
|----|---|--|---|
| | 1 2 3 | 1 2 3 | |
| 20 | Apakah Ada makanan yang dianjurkan selama kehamilan terakhir? | 0 Tidak -> Lanjut no 22 1 Ya | <input type="checkbox"/> |
| 21 | Bila Ya, Sebutkan 1 2 3 | Akibatnya 1 2 3 | |
| 22 | Apakah ada perbedaan pola konsumsi ibu selama hamil dan tidak hamil? | 0 Tidak -> Lanjut no 24 1 Ya | <input type="checkbox"/> |
| 23 | Bila Ya, Sebutkan bedanya! 1 Frekuensi makan 2 Banyaknya Makanan | 0 Tidak 1 Ya 0 Tidak 1 Ya | <input type="checkbox"/> <input type="checkbox"/> |
| 24 | Selama hamil terakhir, apakah ibu mendapatkan pelayanan 1. Imunisasi 2. Penyuluhan Gizi 3. Pemeriksaan Tekanan Darah 4. Pemberian Tablet Tambah Darah 5. Pengukuran Berat Badan/LILA 6. Lainnya, Sebutkan ! | 0 Tidak 1 Ya 0 Tidak 1 Ya 0 Tidak 1 Ya 0 Tidak 1 Ya 0 Tidak 1 Ya 0 Tidak 1 Ya 0 Tidak 1 Ya 0 Tidak 1 Ya | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Apakah ibu diberikan Tablet Tambah Darah ? | 0 Tidak -> Lanjut no 29 1 Ya | <input type="checkbox"/> |
| | Jika Ya, Berapa Jumlah Tablet Tambah Darah berapa | | <input type="checkbox"/> |



| | | | |
|----|--|---|--------------------------|
| | jumlah yang diberikan oleh petugas kesehatan kepada ibu? |? | |
| 28 | Apakah semua tablet yang diberikan kepada ibu, ibu minum? | 0 Tidak -> Lanjut no 29 <i>1 Ya</i> | <input type="checkbox"/> |
| 29 | Bila tidak, berapa jumlah Tabet Tambah Darah yang ibu minum? |Tablet | <input type="checkbox"/> |
| 30 | Apa alasan ibu tidak meminum semua tablet yang diberikan? | 1. <i>Ada efek samping (mual, muntah, sakit kepala)</i> 2. <i>Takut anak besar</i> 3. <i>Tidak menyukai</i> 4. <i>Lupa</i> 5. <i>Lainnya, Sebutkan!</i> | <input type="checkbox"/> |
| 31 | Apakah ibu mengkonsumsi multivitamin selain tablet besi? | 0 Tidak -> Lanjut no 31 <i>1 Ya</i> | <input type="checkbox"/> |
| 32 | Bila ya, Apa jenisnya dan namanya serta berapa banyak yang ibu konsumsi? | <i>Jenis :.....</i> <i>Jumlah..... Tablet</i> | <input type="checkbox"/> |



PAN ZAT GIZI (PROTEIN, ZAT BESI, VITAMIN C)

**FORMULIR
FOOD RECALL 24 JAM**

Hari/Tanggal :

Hari Ke- :

| Waktu | Jenis Makanan | Bahan Makanan | Banyaknya | |
|------------------|---------------|---------------|-----------|-------|
| | | | URT | Gram* |
| Pagi/jam | | | | |
| Selingan /jam | | | | |



| | | | | |
|------------------|--|--|--|--|
| | | | | |
| Siang /Jam | | | | |
| Selingan /jam | | | | |



| | | | | |
|------------------|--|--|--|--|
| Malam /Jam | | | | |
| Selingan /jam | | | | |



C. KARTU KONTROL KONSUMSI BISKUIT DAN KONDISI KESEHATAN IBU HAMIL

Desa/Dusun :
 Nama Bidan/Kader :
 Nama Ibu Hamil/Suami :
 Usia Kehamilan.....Bulan
 Hari/Tanggal Terima Kerupuk :

| Minggu Ke..... | Hari | Jumlah Kerupuk yang Dikonsumsi | Jumlah Kerupuk yang Tidak Dikonsumsi | Keluhan/Alasan Ibu Hamil Tidak Mengonsumsi Kerupuk | Ket |
|----------------|------|--------------------------------|--------------------------------------|--|-----|
| I | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| II | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| III | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



| | | | | | |
|----|--|--|--|--|--|
| IV | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

TTD

(.....)



D. Hasil Pre dan Post Pengukuran Asupan Zat Gizi Protein, Zat Besi dan Vitamin C serta Kadar Hemoglobin.

| No | Nama Desa/Dusun | Nama Ibu hamil/Suami | Umur Ibu (Thn) | Usia Kehamilan (Minggu) | Asupan Zat Gizi | | | | | | Hemoglobin | |
|----|-----------------|----------------------|----------------|-------------------------|-----------------|------|------|------|------|------|------------|------|
| | | | | | Pre | | | Post | | | Pre | Post |
| | | | | | Prot | Besi | VitC | Prot | Besi | VitC | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |



TTD

(.....)

LEMBAR PENILAIAN UJI PENERIMAAN PRODUK

UJI PENERIMAAN KERUPUK DANGKE PADA IBU HAMIL

Nama :.....

Alamat :.....

Tanggal :.....

Berikan tanda pada masing-masing produk untuk uji penerimaan. Berikan saran terhadap produk dalam hal **aroma, tekstur, rasa, warna, penyajian**. Pilih yang menurut ibu perlu ibu **perbaiki**.

Penerimaan oleh Panelis

Ya Tidak

Produk 1

Nama :.....

Saran :

.....
.....
.....
.....

Penerimaan oleh Panelis

Ya Tidak

Produk 2

Nama :.....

Saran :

.....
.....
.....
.....



| |
|--------------------------------------|
| MASTER TABEL HASIL PENELITIAN |
|--------------------------------------|

| NO | NAMA | KELOMPOK INTERVENSI (PEMBERIAN KERUPUK DANGKE) | | | | | | | | | | | | | | |
|----|-------------------|--|-------|--------------------|-------|---------------|-------|------|----|------------|-----------|----------------|-------------------------|-----------|------------------|---------|
| | | PROTEIN (77 gr) | | ZAT BESI (39,0 mg) | | VIT C (85 mg) | | UMUR | UK | PENDIDIKAN | PEKERJAAN | SOSIAL EKONOMI | Jumlah Konsumsi Kerupuk | | Kadar Hemoglobin | |
| | | PRE | POST | PRE | POST | PRE | POST | | | | | | Dikonsumsi | Diberikan | Sebelum | Sesudah |
| 1 | Ny. Qalbi ibrahim | 76.88 | 77.04 | 37.73 | 39.54 | 86.34 | 85.36 | 34 | 16 | SMA | Pedagang | 1.950.000 | 90 | 90 | 10.2 | 11.8 |
| 2 | Ny. Nurlela | 79.35 | 84.86 | 38.52 | 40.08 | 84.56 | 84.75 | 29 | 20 | SMA | Peternak | 2.000.000 | 90 | 90 | 10.5 | 11.2 |
| 3 | Ny. Rahmayanti | 75.36 | 77.73 | 39.78 | 40.01 | 85.76 | 84.87 | 22 | 26 | SMA | Peternak | 1.000.000 | 90 | 90 | 10.3 | 11,5 |
| 4 | Ny. Yuliani | 75.85 | 79.32 | 36.87 | 39.08 | 86.64 | 84.04 | 18 | 18 | SMA | Peternak | 1.450.000 | 90 | 90 | 10.9 | 12 |
| 5 | Ny. Nawahidah | 72.78 | 71.51 | 37.65 | 36.62 | 80.56 | 80.05 | 33 | 14 | SMA | IRT | 850.000 | 90 | 90 | 10.8 | 10.5 |
| 6 | Ny. Sanniati | 76.95 | 80.04 | 38.76 | 39.78 | 79.54 | 80.76 | 30 | 23 | SMA | IRT | 1.500.000 | 90 | 90 | 10.8 | 12.2 |
| 7 | Ny. Masita | 73.77 | 71.12 | 39.85 | 40,04 | 85.76 | 86.76 | 31 | 22 | D3 | Pedagang | 1.850.000 | 90 | 90 | 10.7 | 11.4 |
| 8 | Ny. Jumriani | 76.79 | 78.76 | 38.44 | 36.94 | 84.54 | 84.54 | 30 | 18 | SMP | IRT | 950.000 | 90 | 90 | 10.7 | 10.4 |
| 9 | Ny. Darma | 76.57 | 77.04 | 37.68 | 36.85 | 86.43 | 85.96 | 19 | 17 | SMA | IRT | 750.000 | 90 | 90 | 10.5 | 10.5 |
| 10 | Ny. Nurhalimah | 69.46 | 72.52 | 38.76 | 39,13 | 83.65 | 83.87 | 31 | 22 | S1 | PNS | 2.500.000 | 90 | 80 | 10.3 | 11.2 |
| 11 | Ny. Muslia | 73.87 | 77.73 | 37.75 | 36.63 | 86.54 | 85.43 | 25 | 22 | SMP | IRT | 500.000 | 90 | 90 | 10.9 | 12,4 |
| 12 | Ny.Indarmawati | 75.87 | 78.82 | 39,67 | 37.82 | 82.65 | 80.45 | 24 | 16 | D3 | IRT | 800.000 | 90 | 90 | 10.8 | 11.7 |
| | | 62.42 | 65.89 | 38.67 | 38.68 | 85.78 | 87.56 | 34 | 16 | SD | Pedagang | 1.800.000 | 90 | 90 | 10 | 10.3 |
| | | 75.03 | 77.76 | 37.45 | 40.86 | 86.78 | 86.72 | 28 | 26 | SMA | IRT | 85000 | 90 | 90 | 10.8 | 12,4 |
| | | 75.79 | 81.35 | 35.97 | 35.32 | 83.67 | 83.65 | 25 | 24 | S1 | PNS | 2.500.000 | 90 | 90 | 9,4 | 11 |
| | | 68.66 | 77.65 | 36.76 | 39.72 | 84.45 | 84.76 | 39 | 21 | SMP | IRT | 500,000 | 90 | 90 | 10.1 | 11,5 |
| | | 73.75 | 70.32 | 37.96 | 38.67 | 85.65 | 86.45 | 35 | 16 | SMA | IRT | 950.000 | 90 | 90 | 10.6 | 10,3 |



| | | | | | | | | | | | | | | | | |
|----|-------------------|-------|-------|-------|-------|-------|-------|----|----|-----|----------|-----------|----|----|------|------|
| 18 | Ny. Misna | 70.84 | 70.83 | 38.09 | 37.74 | 82.76 | 80.61 | 28 | 18 | SMA | Pedagang | 1.200.000 | 90 | 90 | 10.9 | 10.7 |
| 19 | Ny. Wulandari | 74.86 | 79.58 | 37.66 | 37.88 | 86.76 | 86.65 | 19 | 18 | SMA | IRT | 800.000 | 90 | 90 | 10.7 | 11 |
| 20 | Ny. Sunniati | 74.76 | 76.86 | 36.71 | 39,32 | 80.56 | 81.98 | 18 | 24 | S1 | Pedagang | 1.950.000 | 90 | 90 | 10.3 | 11 |
| 21 | Ny. Nurhidayah | 77.65 | 78.65 | 38.67 | 40.12 | 85.56 | 85.87 | 23 | 22 | SMA | IRT | 700.000 | 90 | 90 | 10.6 | 11.8 |
| 22 | Ny. Mariana | 75.76 | 79.04 | 39.76 | 39.08 | 84.56 | 85.34 | 38 | 14 | SMA | IRT | 600.000 | 90 | 90 | 10.8 | 10.6 |
| 23 | Ny. Indri | 70.65 | 70.34 | 38,52 | 37.52 | 85.45 | 85.46 | 26 | 16 | SMA | IRT | 850.000 | 90 | 90 | 9.8 | 10.6 |
| 24 | Ny. Muliani Kasim | 76.84 | 75.86 | 39.78 | 40.16 | 84.95 | 85.06 | 32 | 16 | SMA | IRT | 700.000 | 90 | 90 | 10.5 | 10.3 |
| 25 | Ny. Sarnawati | 75.34 | 78.54 | 38.97 | 40,04 | 85.43 | 85.56 | 29 | 20 | SMP | Pedagang | 1.800.000 | 90 | 90 | 10.9 | 12,6 |



| NO | TIDAK DI BERIKAN KERUPUK DANGKE (KONTROL) | | | | | | | | | | | | | |
|----|---|-------------------|--------|------------------|-------|--------------|-------|------|----|------------|-----------|----------------|------------|---------|
| | NAMA | Protein (77 gram) | | ZAT BESI (39 mg) | | VIT C (85mg) | | UMUR | UK | PENDIDIKAN | PEKERJAAN | SOSIAL EKONOMI | Hemoglobin | |
| | | PRE | POST | PRE | POST | PRE | POST | | | | | | Sebelum | Sesudah |
| 1 | Ny. Kurniati | 72.45 | 74.98 | 37.03 | 36.54 | 85.54 | 85.06 | 29 | 20 | D3 | Pedagang | 1.800.000 | 10.8 | 11,5 |
| 2 | Ny. Amirah | 75.82 | 74.5 | 36.52 | 36.08 | 84.76 | 85.76 | 16 | 24 | SMP | IRT | 800.000 | 10.2 | 11,3 |
| 3 | Ny. Wahyuni | 70.26 | 71.49 | 39.78 | 38.01 | 85.59 | 85.54 | 24 | 15 | SMA | IRT | 500.000 | 9.9 | 10 |
| 4 | Ny. Yulianti | 78.67 | 77.98 | 36.87 | 37.08 | 80.43 | 80.96 | 37 | 16 | SMA | IRT | 800.000 | 10.9 | 11 |
| 5 | Ny.Syafirah | 76.88 | 77.04 | 37.65 | 36.62 | 84.65 | 85.87 | 25 | 20 | SMA | IRT | 500.000 | 10.7 | 10.7 |
| 6 | Ny.Murni | 77.35 | 75.86 | 38.76 | 39.78 | 86.34 | 85.36 | 28 | 18 | S1 | Pedagang | 1.450.000 | 10.6 | 11 |
| 7 | Ny.Sri Sulfiana | 75.36 | 72.7 | 39.85 | 40.45 | 84.56 | 84.45 | 38 | 20 | D3 | PNS | 1.500.000 | 10.3 | 11,4 |
| 8 | Ny. Siti Suhana | 75.85 | 73.32 | 37.44 | 36.94 | 86.76 | 86.87 | 24 | 22 | SMA | IRT | 800.000 | 10 | 10.3 |
| 9 | Ny. Serni | 72.78 | 71.51 | 36.68 | 36.85 | 86.64 | 84.04 | 21 | 18 | SMA | IRT | 500.000 | 10.8 | 10.3 |
| 10 | Ny. Hasruni | 76.95 | 77.84 | 37.66 | 36,13 | 80.56 | 80.05 | 30 | 20 | SMP | IRT | 500.000 | 10.2 | 10 |
| 11 | Ny. Zulwati | 73.77 | 71.12 | 36.72 | 36.63 | 82.54 | 80.76 | 23 | 23 | S1 | Pedagang | 1.500.000 | 10.9 | 11.3 |
| 12 | Ny. Nawisah | 76.79 | 78.76 | 39,67 | 37.82 | 85.76 | 86.76 | 22 | 22 | SMA | IRT | 700.000 | 10.5 | 10.1 |
| 13 | Ny. Rovita Rahayu | 76.57 | 77.04 | 37.65 | 36.87 | 84.54 | 84.54 | 24 | 18 | D3 | IRT | 750.000 | 10.5 | 10.7 |
| 14 | Ny. Rostiah | 69.46 | 69.52 | 36.45 | 35.96 | 86.43 | 85.96 | 35 | 17 | SD | IRT | 500.000 | 10.8 | 10.1 |
| 15 | Ny. Nurnaningsih | 73.87 | 70.73 | 37.97 | 38.92 | 83.65 | 83.87 | 20 | 22 | SMA | IRT | 800.000 | 10.4 | 10 |
| 16 | Ny. Suryani | 70.87 | 72..87 | 37.76 | 36.02 | 86.54 | 85.43 | 19 | 18 | SMA | IRT | 500.000 | 9.8 | 10.1 |
| 17 | Ny. Muriati | 62.42 | 65.89 | 37.96 | 38.67 | 83.75 | 82.55 | 22 | 16 | SMP | Peternak | 1.200.000 | 10.7 | 10.2 |
| 18 | Ny. Andwini | 75.03 | 77.76 | 38.09 | 37.74 | 85.78 | 86.56 | 31 | 20 | SMA | IRT | 700.000 | 10.7 | 10.5 |
| 19 | Ny. Wulansari | 76.79 | 78.35 | 37.66 | 37.88 | 84.78 | 84.62 | 29 | 15 | SD | IRT | 750.000 | 9.8 | 10.5 |
| 20 | Ny. Yurna | 75.66 | 74.65 | 36.71 | 35,82 | 86.67 | 85.65 | 34 | 18 | S1 | PNS | 2.000.000 | 10.9 | 11.2 |



| | | | | | | | | | | | | | | |
|----|-----------------|-------|-------|-------|-------|-------|-------|----|----|-----|----------|-----------|------|------|
| 21 | Ny. Miranda | 73.75 | 72.32 | 38.67 | 38.12 | 85.45 | 86.76 | 20 | 25 | D3 | IRT | 600 | 10 | 10.2 |
| 22 | Ny. Sartiah | 70.84 | 70.83 | 39.76 | 39.08 | 86.65 | 85.45 | 24 | 20 | SMA | IRT | 800 | 10.5 | 11 |
| 23 | Ny. Ratih | 74.86 | 72.58 | 38,52 | 37.52 | 84.76 | 83.61 | 38 | 24 | SMA | IRT | 500 | 10.9 | 10.5 |
| 24 | Ny. Hasnah | 74.76 | 72.86 | 39.78 | 40.16 | 85.73 | 85.65 | 37 | 14 | SMA | IRT | 800 | 10.1 | 10 |
| 25 | Ny. Kasmawati | 77.65 | 77.65 | 38.97 | 37,04 | 84.56 | 84.98 | 31 | 22 | SMA | IRT | 750 | 10.7 | 10.7 |
| 26 | Ny. Dewi Aryani | 75.76 | 77.04 | 35.52 | 32.48 | 85.56 | 85.87 | 25 | 16 | SMA | Peternak | 1.200.000 | 10.3 | 10.4 |
| 27 | Ny. Weni | 70.65 | 70.34 | 39.78 | 41.01 | 85.56 | 85.34 | 32 | 24 | SMA | IRT | 500 | 10.1 | 10.1 |
| 28 | Ny. Henrayanti | 76.84 | 75.86 | 38.31 | 40.78 | 85.45 | 84.46 | 32 | 20 | SMA | IRT | 750 | 10.6 | 10.5 |
| 29 | Ny. Mili | 75.84 | 78.04 | 37.65 | 39.22 | 85.95 | 84.06 | 27 | 28 | S1 | PNS | 2.500.000 | 10.9 | 11,2 |
| 30 | Ny. Mutiah | 73.86 | 70.65 | 39.76 | 41.53 | 86.43 | 85.96 | 18 | 24 | SMA | IRT | 750 | 10 | 11 |



Frequency Table

umur intervensi

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|--------|-----------|---------|---------------|--------------------|
| Valid | <20 | 4 | 12.9 | 16.0 | 16.0 |
| | 20-35 | 19 | 61.3 | 76.0 | 92.0 |
| | >35 | 2 | 6.5 | 8.0 | 100.0 |
| | Total | 25 | 80.6 | 100.0 | |
| Missing | System | 6 | 19.4 | | |
| Total | | 31 | 100.0 | | |

umur Kontrol

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|--------|-----------|---------|---------------|--------------------|
| Valid | <20 | 3 | 9.7 | 10.0 | 10.0 |
| | 20-35 | 24 | 77.4 | 80.0 | 90.0 |
| | >35 | 3 | 9.7 | 10.0 | 100.0 |
| | Total | 30 | 96.8 | 100.0 | |
| Missing | System | 1 | 3.2 | | |
| Total | | 31 | 100.0 | | |

UK intervensi

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|--------|-----------|---------|---------------|--------------------|
| Valid | 13-17 | 10 | 32.3 | 40.0 | 40.0 |
| | 18-22 | 12 | 38.7 | 48.0 | 88.0 |
| | 23-27 | 3 | 9.7 | 12.0 | 100.0 |
| | Total | 25 | 80.6 | 100.0 | |
| Missing | System | 6 | 19.4 | | |
| Total | | 31 | 100.0 | | |

UK kontrol

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|--------|-----------|---------|---------------|--------------------|
| Valid | 13-17 | 8 | 25.8 | 26.7 | 26.7 |
| | 18-22 | 16 | 51.6 | 53.3 | 80.0 |
| | 23-27 | 6 | 19.4 | 20.0 | 100.0 |
| | Total | 30 | 96.8 | 100.0 | |
| Missing | System | 1 | 3.2 | | |



| | | | | |
|-------|----|-------|--|--|
| Total | 31 | 100.0 | | |
|-------|----|-------|--|--|

pekerjaan intervensi

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|----------|-----------|---------|---------------|--------------------|
| Valid | pns | 2 | 6.5 | 8.0 | 8.0 |
| | pedagang | 6 | 19.4 | 24.0 | 32.0 |
| | peternak | 3 | 9.7 | 12.0 | 44.0 |
| | IRT | 14 | 45.2 | 56.0 | 100.0 |
| | Total | 25 | 80.6 | 100.0 | |
| Missing | System | 6 | 19.4 | | |
| Total | | 31 | 100.0 | | |

pekerjaan kontrol

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|----------|-----------|---------|---------------|--------------------|
| Valid | pns | 3 | 9.7 | 10.0 | 10.0 |
| | pedagang | 3 | 9.7 | 10.0 | 20.0 |
| | peternak | 2 | 6.5 | 6.7 | 26.7 |
| | irt | 22 | 71.0 | 73.3 | 100.0 |
| | Total | 30 | 96.8 | 100.0 | |
| Missing | System | 1 | 3.2 | | |
| Total | | 31 | 100.0 | | |

pendidikan intervensi

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|--------|-----------|---------|---------------|--------------------|
| Valid | SD | 1 | 3.2 | 4.0 | 4.0 |
| | SMP | 4 | 12.9 | 16.0 | 20.0 |
| | SMA | 15 | 48.4 | 60.0 | 80.0 |
| | D3 | 2 | 6.5 | 8.0 | 88.0 |
| | S1 | 3 | 9.7 | 12.0 | 100.0 |
| | Total | 25 | 80.6 | 100.0 | |
| Missing | System | 6 | 19.4 | | |
| Total | | 31 | 100.0 | | |

pendidikan kontrol

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|--|----|-----------|---------|---------------|--------------------|
| | SD | 2 | 6.5 | 6.7 | 6.7 |



| | | | | | |
|---------|--------|----|-------|-------|-------|
| | SMP | 3 | 9.7 | 10.0 | 16.7 |
| | SMA | 18 | 58.1 | 60.0 | 76.7 |
| | D3 | 3 | 9.7 | 10.0 | 86.7 |
| | S1 | 4 | 12.9 | 13.3 | 100.0 |
| | Total | 30 | 96.8 | 100.0 | |
| Missing | System | 1 | 3.2 | | |
| Total | | 31 | 100.0 | | |

pendapatan intervensi

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|---------------------|-----------|---------|---------------|--------------------|
| Valid | 500.000-1.000.000 | 14 | 45.2 | 56.0 | 56.0 |
| | 1.100.000-1.500.000 | 7 | 22.6 | 28.0 | 84.0 |
| | 1.600.000-2.000.000 | 2 | 6.5 | 8.0 | 92.0 |
| | 2.100.000-2.500.000 | 2 | 6.5 | 8.0 | 100.0 |
| | Total | 25 | 80.6 | 100.0 | |
| Missing | System | 6 | 19.4 | | |
| Total | | 31 | 100.0 | | |

pendapatan kontrol

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---------|---------------------|-----------|---------|---------------|--------------------|
| Valid | 500.000-1.000.000 | 22 | 71.0 | 73.3 | 73.3 |
| | 1.100.000-1.500.000 | 5 | 16.1 | 16.7 | 90.0 |
| | 1.600.000-2.000.000 | 2 | 6.5 | 6.7 | 96.7 |
| | 2.100.000-2.500.000 | 1 | 3.2 | 3.3 | 100.0 |
| | Total | 30 | 96.8 | 100.0 | |
| Missing | System | 1 | 3.2 | | |
| Total | | 31 | 100.0 | | |



HASIL OUTPUT SPSS

A. PROTEIN

Tests of Normality

| kelompok | | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|----------|---------------------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| protein | pretest intervensi | .204 | 25 | .009 | .901 | 25 | .019 |
| | posttest intervensi | .204 | 25 | .009 | .931 | 25 | .091 |
| | pretest kontrol | .166 | 30 | .035 | .892 | 30 | .005 |
| | posttest kontrol | .107 | 30 | .200* | .968 | 30 | .477 |

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

a. Lilliefors Significance Correction

Descriptive Statistics

| | N | Mean | Std. Deviation | Minimum | Maximum |
|--------------------|----|---------|----------------|---------|---------|
| pretest intervensi | 25 | 66.5540 | 7.96273 | 51.76 | 76.57 |
| pretest kontrol | 30 | 69.3883 | 7.15770 | 57.84 | 78.77 |
| kelompok | 25 | 76.6844 | 5.85955 | 67.89 | 88.54 |
| posttest kontrol | 30 | 77.4723 | 3.62026 | 69.07 | 87.54 |

Wilcoxon Signed Ranks Test

Ranks

| | | N | Mean Rank | Sum of Ranks |
|------------------------------------|----------------|-----------------|-----------|--------------|
| kelompok - pretest intervensi | Negative Ranks | 4 ^a | 3.50 | 14.00 |
| | Positive Ranks | 21 ^b | 14.81 | 311.00 |
| | Ties | 0 ^c | | |
| | Total | 25 | | |
| posttest kontrol - pretest kontrol | Negative Ranks | 6 ^d | 7.33 | 44.00 |
| | Positive Ranks | 24 ^e | 17.54 | 421.00 |
| | Ties | 0 ^f | | |
| | Total | 30 | | |



»k < pretest intervensi

»k > pretest intervensi

»k = pretest intervensi

d. posttest kontrol < pretest kontrol

e. posttest kontrol > pretest kontrol

f. posttest kontrol = pretest kontrol

Test Statistics^a

| | kelompok - pretest intervensi | posttest kontrol - pretest kontrol |
|------------------------|-------------------------------------|---------------------------------------|
| Z | -3.996 ^b | -3.877 ^b |
| Asymp. Sig. (2-tailed) | .000 | .000 |

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Descriptive Statistics

| | N | Mean | Std. Deviation | Minimum | Maximum |
|--------------------|----|---------|----------------|---------|---------|
| pretest intervensi | 25 | 66.5540 | 7.96273 | 51.76 | 76.57 |
| pretest kontrol | 30 | 69.3883 | 7.15770 | 57.84 | 78.77 |
| kelompok | 25 | 76.6844 | 5.85955 | 67.89 | 88.54 |
| posttest kontrol | 30 | 77.4723 | 3.62026 | 69.07 | 87.54 |

Wilcoxon Signed Ranks Test

Ranks

| | | N | Mean Rank | Sum of Ranks |
|------------------------------------|----------------|-----------------|-----------|--------------|
| kelompok - pretest intervensi | Negative Ranks | 4 ^a | 3.50 | 14.00 |
| | Positive Ranks | 21 ^b | 14.81 | 311.00 |
| | Ties | 0 ^c | | |
| | Total | 25 | | |
| posttest kontrol - pretest kontrol | Negative Ranks | 6 ^d | 7.33 | 44.00 |
| | Positive Ranks | 24 ^e | 17.54 | 421.00 |
| | Ties | 0 ^f | | |
| | Total | 30 | | |



»k < pretest intervensi

»k > pretest intervensi

»k = pretest intervensi

kontrol < pretest kontrol

e. posttest kontrol > pretest kontrol

f. posttest kontrol = pretest kontrol

Test Statistics^a

| | kelompok - pretest intervensi | posttest kontrol - pretest kontrol |
|------------------------|-------------------------------------|---------------------------------------|
| Z | -3.996 ^b | -3.877 ^b |
| Asymp. Sig. (2-tailed) | .000 | .000 |

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Mann-Whitney Test

Ranks

| | Kelompok | N | Mean Rank | Sum of Ranks |
|-----------------|--------------------|----|-----------|--------------|
| pretest protein | pretest intervensi | 25 | 24.52 | 613.00 |
| | pretest kontrol | 30 | 30.90 | 927.00 |
| | Total | 55 | | |

Test Statistics^a

| | pretest protein |
|------------------------|-----------------|
| Mann-Whitney U | 288.000 |
| Wilcoxon W | 613.000 |
| Z | -1.471 |
| Asymp. Sig. (2-tailed) | .141 |

Tests of Normality

| | kelompok | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------|------------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| selisih protein | intervensi | .120 | 25 | .200* | .971 | 25 | .663 |
| | kontrol | .091 | 30 | .200* | .965 | 30 | .422 |



* lower bound of the true significance.

* Significance Correction

Group Statistics

| | kelompok | N | Mean | Std. Deviation | Std. Error Mean |
|-----------------|------------|----|--------|----------------|-----------------|
| selisih protein | intervensi | 25 | 2.2108 | 2.69134 | .53827 |
| | kontrol | 30 | -.2110 | 1.88964 | .34500 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|-----------------|-----------------------------|---|------|------------------------------|--------|
| | | F | Sig. | t | df |
| selisih protein | Equal variances assumed | 1.427 | .238 | 3.909 | 53 |
| | Equal variances not assumed | | | 3.788 | 41.915 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|-----------------|-----------------------------|------------------------------|-----------------|-----------------------|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference |
| selisih protein | Equal variances assumed | .000 | 2.42180 | .61952 |
| | Equal variances not assumed | .000 | 2.42180 | .63934 |

Independent Samples Test

t-test for Equality of Means
95% Confidence Interval of the Difference

B. ZAT BESI

Tests of Normality

| kelompok | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------|---------------------------------|----|-------------------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| pre intervensi | .108 | 25 | .200 [*] | .955 | 25 | .317 |
| post intervensi | .162 | 25 | .088 | .927 | 25 | .072 |
| pre kontrol | .141 | 30 | .133 | .936 | 30 | .070 |



| | | | | | | |
|--------------|------|----|-------|------|----|------|
| post kontrol | .120 | 30 | .200* | .953 | 30 | .206 |
|--------------|------|----|-------|------|----|------|

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

Paired Samples Statistics

| | | Mean | N | Std. Deviation | Std. Error Mean |
|--------|-----------------|---------|----|----------------|-----------------|
| Pair 1 | pre intervensi | 38.2572 | 25 | 1.06278 | .21256 |
| | post intervensi | 38.71 | 25 | 1.445 | .289 |
| Pair 2 | pre kontrol | 38.0533 | 30 | 1.21976 | .22270 |
| | post kontrol | 37.7917 | 30 | 1.92967 | .35231 |

Paired Samples Correlations

| | | N | Correlation | Sig. |
|--------|----------------------------------|----|-------------|------|
| Pair 1 | pre intervensi & post intervensi | 25 | .387 | .056 |
| Pair 2 | pre kontrol & post kontrol | 30 | .782 | .000 |

Paired Samples Test

| | | Paired Differences | | | 95% Confidence Interval of the Difference |
|--------|----------------------------------|--------------------|----------------|-----------------|---|
| | | Mean | Std. Deviation | Std. Error Mean | Lower |
| Pair 1 | pre intervensi - post intervensi | -.44800 | 1.42409 | .28482 | -1.03584 |
| Pair 2 | pre kontrol - post kontrol | .26167 | 1.23737 | .22591 | -.20037 |

| | | | | | |
|--------|----------------------------------|--------|--------|----|------|
| Pair 1 | pre intervensi - post intervensi | .13984 | -1.573 | 24 | .129 |
| Pair 2 | pre kontrol - post kontrol | .72371 | 1.158 | 29 | .256 |

Paired Samples Statistics

| | | Mean | N | Std. Deviation | Std. Error Mean |
|--------|-----------------|---------|----|----------------|-----------------|
| Pair 1 | pre intervensi | 38.2572 | 25 | 1.06278 | .21256 |
| | post intervensi | 38.7052 | 25 | 1.44501 | .28900 |
| Pair 2 | pre kontrol | 38.0533 | 30 | 1.21976 | .22270 |
| | post kontrol | 37.7917 | 30 | 1.92967 | .35231 |

Paired Samples Correlations

| | | N | Correlation | Sig. |
|--------|----------------------------------|----|-------------|------|
| Pair 1 | pre intervensi & post intervensi | 25 | .387 | .056 |



| | | | | |
|--------|----------------------------|----|------|------|
| Pair 2 | pre kontrol & post kontrol | 30 | .782 | .000 |
|--------|----------------------------|----|------|------|

Paired Samples Test

| | | Paired Differences | | | 95% Confidence Interval of the Difference |
|--------|----------------------------------|--------------------|----------------|-----------------|---|
| | | Mean | Std. Deviation | Std. Error Mean | Lower |
| Pair 1 | pre intervensi - post intervensi | -.44800 | 1.42409 | .28482 | -1.03584 |
| Pair 2 | pre kontrol - post kontrol | .26167 | 1.23737 | .22591 | -.20037 |

| | | Upper | | | |
|--------|----------------------------------|--------|--------|----|------|
| Pair 1 | pre intervensi - post intervensi | .13984 | -1.573 | 24 | .129 |
| Pair 2 | pre kontrol - post kontrol | .72371 | 1.158 | 29 | .256 |

Group Statistics

| kelompok | | N | Mean | Std. Deviation | Std. Error Mean |
|------------------|----------------|----|---------|----------------|-----------------|
| pretest zat besi | pre intervensi | 25 | 38.2572 | 1.06278 | .21256 |
| | pre kontrol | 25 | 38.0232 | 1.12886 | .22577 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|------------------|-----------------------------|---|------|------------------------------|--------|
| | | F | Sig. | t | Df |
| pretest zat besi | Equal variances assumed | .145 | .705 | .755 | 48 |
| | Equal variances not assumed | | | .755 | 47.826 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|------------------|-----------------------------|------------------------------|-----------------|-----------------------|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference |
| pretest zat besi | Equal variances assumed | .454 | .23400 | .31009 |
| | Equal variances not assumed | .454 | .23400 | .31009 |



Independent Samples Test

| | | t-test for Equality of Means | |
|------------------|-----------------------------|---|--------|
| | | 95% Confidence Interval of the Difference | |
| | | Lower | Upper |
| pretest zat besi | Equal variances assumed | -.38947 | .85747 |
| | Equal variances not assumed | -.38953 | .85753 |

Group Statistics

| kelompok | | N | Mean | Std. Deviation | Std. Error Mean |
|------------------|----------------|----|---------|----------------|-----------------|
| pretest zat besi | pre intervensi | 25 | 38.2572 | 1.06278 | .21256 |
| | pre kontrol | 30 | 38.0533 | 1.21976 | .22270 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|------------------|-----------------------------|---|------|------------------------------|--------|
| | | F | Sig. | t | Df |
| pretest zat besi | Equal variances assumed | .620 | .435 | .654 | 53 |
| | Equal variances not assumed | | | .662 | 52.878 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|------------------|-----------------------------|------------------------------|-----------------|-----------------------|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference |
| pretest zat besi | Equal variances assumed | .516 | .20387 | .31178 |
| | Equal variances not assumed | .511 | .20387 | .30785 |

Independent Samples Test

| | | t-test for Equality of Means | |
|------------------|-----------------------------|---|--------|
| | | 95% Confidence Interval of the Difference | |
| | | Lower | Upper |
| pretest zat besi | Equal variances assumed | -.42149 | .82922 |
| | Equal variances not assumed | -.41364 | .82138 |

Group Statistics

| kelompok | | N | Mean | Std. Deviation | Std. Error Mean |
|----------|----------------|----|---------|----------------|-----------------|
| t besi | pre intervensi | 25 | 38.7052 | 1.44501 | .28900 |



| | | | | |
|-------------|----|---------|---------|--------|
| pre kontrol | 30 | 37.7917 | 1.92967 | .35231 |
|-------------|----|---------|---------|--------|

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|-------------------|-----------------------------|---|------|------------------------------|--------|
| | | F | Sig. | t | Df |
| posttest zat besi | Equal variances assumed | 1.049 | .310 | 1.953 | 53 |
| | Equal variances not assumed | | | 2.005 | 52.458 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|-------------------|-----------------------------|------------------------------|-----------------|-----------------------|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference |
| posttest zat besi | Equal variances assumed | .056 | .91353 | .46771 |
| | Equal variances not assumed | .050 | .91353 | .45568 |

Independent Samples Test

| | | t-test for Equality of Means | |
|-------------------|-----------------------------|---|---------|
| | | 95% Confidence Interval of the Difference | |
| | | Lower | Upper |
| posttest zat besi | Equal variances assumed | -.02457 | 1.85164 |
| | Equal variances not assumed | -.00066 | 1.82773 |

Tests of Normality

| | | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|------------------|------------|---------------------------------|----|-------|--------------|----|------|
| kelompok | | Statistic | df | Sig. | Statistic | df | Sig. |
| selisih zat besi | intervensi | .119 | 25 | .200* | .966 | 25 | .555 |
| | kontrol | .103 | 30 | .200* | .975 | 30 | .681 |

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

a. Lilliefors Significance Correction



selisih zat besi

Group Statistics

| | kelompok | N | Mean | Std. Deviation | Std. Error Mean |
|------------------|------------|----|-------|----------------|-----------------|
| selisih zat besi | intervensi | 25 | .4480 | 1.42409 | .28482 |
| | kontrol | 30 | .1013 | 1.18603 | .21654 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|------------------|-----------------------------|---|------|------------------------------|--------|
| | | F | Sig. | t | df |
| selisih zat besi | Equal variances assumed | .908 | .345 | .985 | 53 |
| | Equal variances not assumed | | | .969 | 46.818 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|------------------|-----------------------------|------------------------------|-----------------|-----------------------|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference |
| selisih zat besi | Equal variances assumed | .329 | .34667 | .35184 |
| | Equal variances not assumed | .338 | .34667 | .35778 |

Independent Samples Test

| | | t-test for Equality of Means | |
|------------------|-----------------------------|---|---------|
| | | 95% Confidence Interval of the Difference | |
| | | Lower | Upper |
| selisih zat besi | Equal variances assumed | -.35903 | 1.05236 |
| | Equal variances not assumed | -.37318 | 1.06651 |

C. VITAMIN C

Tests of Normality

| kelompok | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|-----------------|---------------------------------|----|------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| pre intervensi | .188 | 25 | .023 | .862 | 25 | .003 |
| post intervensi | .187 | 25 | .025 | .906 | 25 | .025 |



| | | | | | | |
|--------------|------|----|------|------|----|------|
| pre kontrol | .202 | 30 | .003 | .821 | 30 | .000 |
| post kontrol | .133 | 30 | .187 | .868 | 30 | .002 |

a. Lilliefors Significance Correction

Descriptive Statistics

| | N | Mean | Std. Deviation | Minimum | Maximum |
|-----------------|----|---------|----------------|---------|---------|
| pre intervensi | 25 | 84.6132 | 2.02678 | 79.54 | 86.78 |
| pre kontrol | 30 | 85.0790 | 1.60368 | 80.43 | 86.76 |
| post intervensi | 25 | 84.8684 | 2.15015 | 80.45 | 87.72 |
| post kontrol | 30 | 85.1427 | 1.61116 | 80.96 | 86.95 |

Wilcoxon Signed Ranks Test

Ranks

| | N | Mean Rank | Sum of Ranks |
|----------------------------------|----------------|-----------------|--------------|
| post intervensi - pre intervensi | Negative Ranks | 7 ^a | 15.14 |
| | Positive Ranks | 18 ^b | 219.00 |
| | Ties | 0 ^c | |
| | Total | 25 | |
| post kontrol - pre kontrol | Negative Ranks | 16 ^d | 206.50 |
| | Positive Ranks | 14 ^e | 258.50 |
| | Ties | 0 ^f | |
| | Total | 30 | |

Test Statistics^a

| | post intervensi - pre intervensi | post kontrol - pre kontrol |
|------------------------|----------------------------------|----------------------------|
| Z | -1.520 ^b | -.535 ^b |
| Asymp. Sig. (2-tailed) | .128 | .593 |

a. Wilcoxon Signed Ranks Test

b. Based on negative ranks.

Descriptive Statistics

| | N | Mean | Std. Deviation | Minimum | Maximum |
|--------|----|---------|----------------|---------|---------|
| amin C | 55 | 84.8673 | 1.80600 | 79.54 | 86.78 |
| | 55 | 1.55 | .503 | 1 | 2 |



Mann-Whitney Test

| | | Ranks | | |
|-------------------|----------------|-------|-----------|--------------|
| | Kelompok | N | Mean Rank | Sum of Ranks |
| pretest vitamin C | pre intervensi | 25 | 26.18 | 654.50 |
| | pre kontrol | 30 | 29.52 | 885.50 |
| | Total | 55 | | |

Test Statistics^a

| pretest vitamin C | |
|------------------------|---------|
| Mann-Whitney U | 329.500 |
| Wilcoxon W | 654.500 |
| Z | -.770 |
| Asymp. Sig. (2-tailed) | .442 |

a. Grouping Variable: kelompok

NPAR TESTS

/M-W= vitamin_C BY kelompok(1 2)

/STATISTICS=DESCRIPTIVES

/MISSING ANALYSIS.

Descriptive Statistics

| | N | Mean | Std. Deviation | Minimum | Maximum |
|-------------------|----|---------|----------------|---------|---------|
| postest vitamin C | 55 | 85.0180 | 1.86220 | 80.45 | 87.72 |
| kelompok | 55 | 1.55 | .503 | 1 | 2 |

Mann-Whitney Test



| Ranks | | | | |
|--------------------|-----------------|----|-----------|--------------|
| | kelompok | N | Mean Rank | Sum of Ranks |
| posttest vitamin C | post intervensi | 25 | 27.34 | 683.50 |
| | post kontrol | 30 | 28.55 | 856.50 |
| | Total | 55 | | |

| Test Statistics ^a | | posttest vitamin C |
|------------------------------|--|--------------------|
| Mann-Whitney U | | 358.500 |
| Wilcoxon W | | 683.500 |
| Z | | -.279 |
| Asymp. Sig. (2-tailed) | | .780 |

| Descriptive Statistics | | | | | |
|------------------------|----|-------|----------------|---------|---------|
| | N | Mean | Std. Deviation | Minimum | Maximum |
| selisih mean vitamin C | 55 | .1518 | .09045 | .07 | .25 |
| kelompok | 55 | 1.55 | .503 | 1 | 2 |

Mann-Whitney Test

| Ranks | | | | |
|------------------------|------------|----|-----------|--------------|
| | kelompok | N | Mean Rank | Sum of Ranks |
| selisih mean vitamin C | intervensi | 25 | 43.00 | 1075.00 |
| | kontrol | 30 | 15.50 | 465.00 |
| | Total | 55 | | |

| Test Statistics ^a | | selisih mean vitamin C |
|------------------------------|--|------------------------|
| Mann-Whitney U | | .000 |
| Wilcoxon W | | 465.000 |
| Z | | -7.348 |
| Asymp. Sig. (2-tailed) | | .000 |

a. Grouping Variable: kelompok



| Tests of Normality | | | | | | | |
|--------------------|------------|---------------------------------|----|-------|--------------|----|------|
| | | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
| | kelompok | Statistic | df | Sig. | Statistic | df | Sig. |
| min C | intervensi | .133 | 25 | .200* | .953 | 25 | .291 |

| | | | | | | |
|---------|------|----|------|------|----|------|
| kontrol | .155 | 30 | .065 | .950 | 30 | .170 |
|---------|------|----|------|------|----|------|

selisih vitamin C

Group Statistics

| | kelompok | N | Mean | Std. Deviation | Std. Error Mean |
|-------------------|------------|----|-------|----------------|-----------------|
| selisih vitamin C | intervensi | 25 | .2552 | 1.11657 | .22331 |
| | kontrol | 30 | .0637 | .94463 | .17246 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|-------------------|-----------------------------|---|------|------------------------------|--------|
| | | F | Sig. | t | df |
| selisih vitamin C | Equal variances assumed | .733 | .396 | .689 | 53 |
| | Equal variances not assumed | | | .679 | 47.255 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|-------------------|-----------------------------|------------------------------|-----------------|-----------------------|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference |
| selisih vitamin C | Equal variances assumed | .494 | .19153 | .27786 |
| | Equal variances not assumed | .501 | .19153 | .28216 |

Independent Samples Test

| | | t-test for Equality of Means | |
|-------------------|-----------------------------|---|--------|
| | | 95% Confidence Interval of the Difference | |
| | | Lower | Upper |
| selisih vitamin C | Equal variances assumed | -.36578 | .74885 |
| | Equal variances not assumed | -.37601 | .75908 |

D. HEMOGLOBIN



Tests of Normality

| kelompok | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | | |
|------------|---------------------------------|------|------|-------------------|------|------|------|
| | Statistic | df | Sig. | Statistic | df | Sig. | |
| hemoglobin | pre intervensi | .168 | 25 | .068 | .870 | 25 | .004 |
| | post intervensi | .129 | 25 | .200 [*] | .932 | 25 | .097 |
| | pre kontrol | .154 | 30 | .069 | .914 | 30 | .019 |
| | post kontrol | .143 | 30 | .121 | .910 | 30 | .015 |

Paired Samples Statistics

| | Mean | N | Std. Deviation | Std. Error Mean |
|--------|-----------------|---------|----------------|-----------------|
| Pair 1 | pre intervensi | 10.5120 | .38440 | .07688 |
| | post intervensi | 11.2360 | .72966 | .14593 |
| Pair 2 | pre kontrol | 10.4500 | .36460 | .06657 |
| | post kontrol | 10.5933 | .48561 | .08866 |

Paired Samples Correlations

| | N | Correlation | Sig. |
|---|----|-------------|------|
| Pair 1 pre intervensi & post intervensi | 25 | .319 | .120 |
| Pair 2 pre kontrol & post kontrol | 30 | .419 | .021 |

Paired Samples Test

| | Mean | Std. Deviation | Std. Error Mean | Paired Differences | |
|---|---------|----------------|-----------------|---|-------|
| | | | | 95% Confidence Interval of the Difference Lower | Upper |
| Pair 1 pre intervensi - post intervensi | -.72400 | .70786 | .14157 | -1.01619 | |
| Pair 2 pre kontrol - post kontrol | -.14333 | .46954 | .08573 | -.31866 | |



Optimized using
trial version
www.balesio.com

Paired Samples Test

| | Upper | t | df | Sig. (2-tailed) |
|---|---------|--------|----|-----------------|
| | | | | |
| Pair 1 pre intervensi - post intervensi | -.43181 | -5.114 | 24 | |
| Pair 2 pre kontrol - post kontrol | .03200 | -1.672 | 29 | |

| | kelompok | Kolmogorov-Smirnov ^a | | | Shapiro-Wilk | | |
|------------|------------|---------------------------------|----|-------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| hemoglobin | intervensi | .144 | 25 | .192 | .898 | 25 | .017 |
| | kontrol | .103 | 30 | .200* | .965 | 30 | .402 |

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

a. Lilliefors Significance Correction

Group Statistics

| | kelompok | N | Mean | Std. Deviation | Std. Error Mean |
|------------|------------|----|-------|----------------|-----------------|
| hemoglobin | intervensi | 25 | .7240 | .70786 | .14157 |
| | kontrol | 30 | .1433 | .46954 | .08573 |

Independent Samples Test

| | | Levene's Test for Equality of Variances | | t-test for Equality of Means | |
|------------|-----------------------------|---|------|------------------------------|--------|
| | | F | Sig. | t | df |
| hemoglobin | Equal variances assumed | 7.222 | .010 | 3.637 | 53 |
| | Equal variances not assumed | | | 3.508 | 40.339 |

Independent Samples Test

| | | t-test for Equality of Means | | |
|------------|-----------------------------|------------------------------|-----------------|-----------------------|
| | | Sig. (2-tailed) | Mean Difference | Std. Error Difference |
| hemoglobin | Equal variances assumed | .001 | .58067 | .15964 |
| | Equal variances not assumed | .001 | .58067 | .16550 |

Independent Samples Test

| | | t-test for Equality of Means | |
|---|-----------------------------|---|--------|
| | | 95% Confidence Interval of the Difference | |
| | | Lower | Upper |
| n | Equal variances assumed | .26046 | .90087 |
| | Equal variances not assumed | .24626 | .91508 |





Optimized using
trial version
www.balesio.com