

DAFTAR PUSTAKA

- Andriyanto W, Slamet B, Ariawan J D M I. 2013. Perkembangan Embrio Dan Rasio Penetsan Telur Ikan Kerapu Raja Sunu (*Plectropoma Laevis*) Pada Suhu Media Berbeda. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*.5 (1): 192- 20
- Ariska, R. and Irawan, H., 2018. Pengaruh perbedaan suhu terhadap laju penyerapan kuning telur larva ikan bawal bintang (*Trachinotus blochii*). *Intek Akuakultur*, 2(2), pp.13-24.
- Aslianti, T., Nasukha, A. and Setyadi, I., 2014. Perkembangan tulang belakang dan aktivitas enzim protease larva ikan bandeng, *chanos chanos* Forsskal yang dipelihara pada media berbeda. *Jurnal Ilmu dan Teknologi Kelautan Tropis*, 6(1), pp.87-100.
- Bik, E., Ishigaki, M., Blat, A., Jasztal, A., Ozaki, Y., Malek, K., & Baranska, M. 2020. Lipid Droplet Composition Varies Based on Medaka. *Molecules*, 25(817), 1–15.
- Blank, J.M., Morrisette, J.M., Landeira-Fernandez, A.M., Blackwell, S.B., Williams, T.D. and Block, B.A., 2004. In situ cardiac performance of Pacific bluefin tuna hearts in response to acute temperature change. *Journal of Experimental Biology*, 207(5), pp.881-890.
- Budiardi, T., Cahyaningrum, W., & Effendi, I. 2005. Efisiensi Pemanfaatan Kuning Telur Embrio Dan Larva Ikan Manvis (*Pterophyllum Scalare*) Pada Suhu Inkubasi Yang Berbeda. *Jurnal Akuakultur Indonesia*. 4(1): 57-61
- Burmansyah, M. and Fitranji, M., 2013. Semi-natural spawning of the climbing perch (*Anabas testudineus*) under different sex ratio. *Jurnal Akuakultur Rawa Indonesia*, 1(1), pp.23-33.
- Chen, X., Zhu, Y., Zhu, T., Song, P., Guo, J., Zhong, Y., Gui, L., & Li, M. 2022. Vasa Identifies Germ Cells In Embryos And Gonads Of *Oryzias Celebensis*. *Gene*, 823. <Https://Doi.Org/10.1016/J.Gene.2022.146369>
- Dewanti, R., Yuhan and Sudiyono. 2014. Pengaruh Bobot Dan Frekuensi Pemutaran Telur Terhadap Fertilitas, Daya Tetas, Dan Bobot Tetas Itik Lokal. *Bul. Peternak.*, 38: 16–20
- Eragradhini AR. 2020. Ekobiologi dan reproduksi ikan matano medaka *Oryzias matanensis* (Aurich, 1935) di Danau Towuti Sulawesi Selatan. Disertasi. Program Doktor Ilmu Perikanan, Fakultas Ilmu Kelautan dan Perikanan, Universitas Hasanuddin, Makassar.
- Fahmi, M.R., Prasetyo, A.B. and Vidiakusuma, R., 2015. Potensi ikan medaka (*Oryzias woworae*, *O. javanicus* dan *O. profundicola*) sebagai ikan hias dan ikan model. In *Prosiding Seminar Nasional Ikan Ke-8 Jilid* (Vol. 1).
- Firmansyah, M.A., Mustahal, M., Syamsunarno, M.B. and Herjayanto, M., 2021. Optimization of reproduction of ricefish endemic to Southeast Sulawesi *Oryzias woworae* Parenti & Hadiaty, 2010 through different sex ratios in spawning. *Jurnal Iktiologi Indonesia*, 21(3), pp.235-251.

- González-Doncel, M., Okihiro, M. S., Villalobos, S. A., Hinton, D. E., & Tarazona, J. V. 2005. A quick reference guide to the normal development of *Oryzias latipes* (Teleostei, Adrianichthyidae). *Journal of Applied Ichthyology*, 21(1), 39–52. <https://doi.org/10.1111/j.1439-0426.2004.00615.x>
- Gusnita, H., 2017. Pengaruh Suhu terhadap Detak Jantung Ikan untuk Pengembangan Metode Penangkapan Ikan. Skripsi. Fakultas Perikanan dan Ilmu Kelautan Institut Pertanian Bogor. Bogor. 31 hlm.
- Hamaguchi, S. 1983. Asymmetrical Development Of The Gonads In The Embryos And Fry Of The Fish, *Oryzias Celebensis* (Asymmetry/Gonad/Primordial Germ Cell/Migration/Teleost (*Oryzias Celebensis*)). *Development, Growth & Differentiation*, 25(6), 553–561.
- Hasibuan, R. Benedikta, Irawan, H., & Yulianto, T. 2018. The Effect Of Temperature On Hatched Of Seabass Egg. *Intek Akuakultur*, 2(2), 49–57. <Https://Doi.Org/10.31629/Intek.V2i2.539>
- Hidayat, A.A., 2015. Metode penelitian kesehatan paradigma kuantitatif. Health Books Publishing
- Hutagalung, J., Alawi, H. and Sukendi, S., 2016. *Pengaruh suhu dan oksigen terhadap penetasan telur dan kelulushidupan awal larva ikan pawas (Osteochilus hasseltii CV)* (Doctoral dissertation, Riau University).
- Indrayasari, A. 2022. *Hubungan Panjang Bobot Dan Faktor Kondisi Ikan Medaka, Oryzias Celebensis (Weber, 1894) Di Sungai Pucak, Kabupaten Maros, Sulawesi Selatan.* 1–19.
- Ito, H., Akiyama, S. and Arimoto, T., 2002. Temperature effect on the function of heart beat for Carp *Cyprinus carpio*. *Fisheries science*, 68(sup1), pp.465-466.
- Iwamatsu, T. 2004. Stages of normal development in the medaka *Oryzias latipes*. *MechanismsofDevelopment*, 121(7–8), 605–618.
- Kamler, E., 2008. Resource allocation in yolk-feeding fish. *Reviews in Fish biology and Fisheries*, 18, pp.143-200.
- Karyaningsih, S., 2008. Kajian Fekunditas Dan Daya Tetas Telur Ikan Betutu (*Oxyeleotris marmorata*) Pada Wad Ah Pemijahan Yang Berbeda. *Berita Biologi*, 9(2), pp.163-168.
- Kinoshita, M.; Murata, K.; Naruse, K. & Tanaka, M., 2009. Medaka: Biology, Management, And Experimental Protocols. Usa: WileyBlackwell, ISBN: 9780813808710.
- Lalombo, Y.I., 2022. *Kelangsungan Hidup Embrio Ikan Oryzias celebensis yang Dipelihara pada Media Berbeda dalam Upaya Menyediakan Embrio Uji Ekotoksikologi Survival rates of Oryzias celebensis embryos reared in different media in an attempt to provide embryos for ecotoxicological studies* (Doctoral dissertation, Universitas Hasanuddin).
- Magtoon, W., & Termvidchakorn, A. 2009. A Revised Taxonomic Account Of Ricefish *Oryzias* (Beloniformes; Adrianichthyidae), In Thailand, Indonesia And Japan. In *The Natural History Journal Of Chulalongkorn University* (Vol. 9, Issue 1).

- Manantung, V. O., Sinjal, H. J., & Monijung, R. D. 2013. Evaluasi Kualitas, Kuantitas Telur Dan Larva Ikan Patin Siam (*Pangasianodon hypophthalmus*) Dengan Penambahan Ovaprim Dosis Berbeda. *E-Jurnal Budidaya Perairan*, 1(3).
- Mandagi, I.F., Mokodongan, D.F., Tanaka, R., & Yamahira, K. 2018. A New Reverine Ricefish Of The Genus *Oryzias* (Beloniformes, Adrianichthyidae) From Malili, Central Sulawesi, Indonesia. *Copeia* 106(2): 297-304.
- Matsui H, Gavino R , Takahashi R. 2012. Ikan Medaka Model penyakit Parkinson Exp. Neurobiol. 21 (3) 94
- Mokodongan, D.F., Tanaka, R., & Yamahira, K. 2014. A New Ricefish Of The Genus *Oryzias* (Beloniformes, Adrianichthyidae) From Lake Tiu Central Sulawesi, Indonesia. *Copeia*. 2014. 561-567.
- Mukti, A.T., 2005. Perbedaan keberhasilan tingkat poliploidisasi ikan mas (*Cyprinus carpio* Linn.) melalui kejutan panas. *Berkala Penelitian Hayati Journal Of Biological Researches*, 10(2), pp.133-138.
- Mukti, A.T., Arsianingtyas, H. and Subekti, S., 2009. The Thermal Temperature Shock and Time After Fertilization In Hatching Rate and Abnormality Of Nile Fish (*Oreochromis niloticus*). *Jurnal Ilmiah Perikanan dan Kelautan*, 1(2), pp.163-168.
- Mulyani, Y.W.T., Solihin, D.D. and Affandi, R., 2015. Yolk absorption efficiency and morphogenesis of the silver arawana *Osteoglossum bicirrhosum* (Cuvier, 1829) prelarvae at various interactions of temperature and salinity. *Jurnal Iktiologi Indonesia*, 15(3), pp.179-191.
- Nafiyanti, N. , Mustahal., Syamsunarno, M. B. , & Herjayanto, M. 2021. Incubation Of *Oryzias Woworae* Eggs At Different Temperature On Embryo Development And Hatching Performance. *Jurnal Biologi Tropis*, 21(2), 312–323.
- Ngastoni, A. 2016. Penetasan Telur Ikan Pelangi *Iriatherina Wernerii* Pada Suhu Inkubasi Yang Berbeda. Skripsi. Teknologi Menagemen Perikanan Budidaya. Fakultas Perikanan Dan Ilmu Kelautan. Institut Pertanian Bogor. 15 Hal.
- Oyen, F. G. F., Camps, L. E. C. M. M., & Bonga, S. E. W. 1991. Effect of Acid Stress on The Embryonic Development of The Common Crap (*Cyprinus carpio*). *Aquatic Toxicology*, 19, 1–12.
- Parenti, L. R., 2008. A Phylogenetic Analysis And Taxonomic Revision Of Ricefishes, *Oryzias* And Relatives (Beloniformes, Adrianichthyidae). *Zoological Journal Of The Linnean Society*, 154(3): 494–610, Doi: 10.1111/J.1096-3642.2008.00417.X
- Puspitasari, R., & Suratno. 2017. Studi Awal Perkembangan Larva *Oryzias Javanicus* Di Indonesia. Pusat Penelitian Oseanografi-Lipi. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*. 9(1): 105-112.
- Putri, K. D. K. 2020. *Gambaran Histologi Kulit Ikan Medaka Sulawesi (*Oryzias Celebensis*) Selama proses Penyembuhanluka Tusukan (Puncture Wound)*.
- Rahman, K.L., 2019. *Pengaruh Suhu Yang Berbeda Terhadap Derajat Pembuahan, Perkembangan Embrio, Daya Tetas Telur Dan Sintasan Larva Ikan Uceng (*Nemacheilus fasciatus*)* (Doctoral dissertation, Universitas Brawijaya).

- Redha, A. R., Raharjo, E. I., & Hasan, H. 2014. Pengaruh suhu yang berbeda terhadap perkembangan embrio dan daya tetas telur ikan kelabau (*Osteochilus Melanopleura*). *Jurnal Ruaya: Jurnal Penelitian dan Kajian Ilmu Perikanan dan Kelautan*, 4(2).
- Rustadi, R., 2002. Pengaruh Suhu Air Terhadap Daya Tetas Dan Perkembangan Larva Nila Merah (*Oreochromis sp.*). *Jurnal Perikanan Universitas Gadjah Mada*, 4(2), pp.22-29.
- Sari, D. K., Andriani, I., & Yaqin, K. 2018. Histological Study Of The Circulatory System Of Sulawesi Medaka Fish (*Oryzias Celebensis*) For Animal Model Research. *Journal Of Physics: Conference Series*, 1028(1). [Https://Doi.Org/10.1088/1742-6596/1028/1/012008](https://doi.org/10.1088/1742-6596/1028/1/012008)
- Simanjuntak, M., Rosmaiti, R. and Putriningtias, A., 2021. Effect of Temperature Differences on Embryo Development and Hatching of Sea Bass Eggs (*Lates calcarifer*). *Acta Aquatica: Aquatic Sciences Journal*, 8(1), pp.18-22.
- Smith, S., 1957. Early Development and Hatching in Physiology of Fishes, ME Brown.(Eds.) vol. I Metabolism.
- Suhada, Mumpuni, F. S., & Lesmana, D. 2022. Pengaruh Suhu Inkubasi Yang Berbeda Terhadap Daya Tetas Dan Kelangsungan Hidup Telur Ikan Tengadak (*Barbomyrus Schwanenfeldii*) Effect Of Different Incubation Temperatures On Egg Hatchability And Survival Rate Of Tinfoil Barb (*Barbomyrus Schwanenfeldii*). *Mina Sains*, 8(1), 1–10.
- Supriono, E., Lisnawati, L., & Djokosetianto, D. 2005. Pengaruh Linear Alkylbenzene Sulfonate Terhadap Mortalitas, Daya Tetas Telur dan Abnormalitas Larva Ikan Patin (*Pangasius hypophthalmus Sauvage*). *Jurnal Akuakultur Indonesia*, 4(1), 69–78.
- Termvidchakorn, A., & Magtoon, W. 2008. Development and identification of the ricefish *Oryzias* in Thailand. *ScienceAsia*, 34(4), 416–423
- Wahyuningtias I. 2016. Pengaruh suhu terhadap perkembangan telur dan larva ikan tambakan (*Helostoma temminckii*) [Skripsi] Bandar Lampung: Universitas Lampung
- Wang, R. F., Zhu, L. M., Zhang, J., An, X. P., Yang, Y. P., Song, M., & Zhang, L. 2020. Developmental toxicity of copper in marine medaka (*Oryzias melastigma*) embryos and larvae. *Chemosphere*, 247, 125923.
- Widyastuti, Y.R., Subagja, J. and Gustiano, R., 2008. Reproduksi Ikan Nila (*Oreochromis nilotikm*) Seleksi Dan Non Seleksi Dengan Pemijahan Buatan: Karakterinduk, Telur, Embriodan Benih [Reproduction of selected and non selected nile tilapia (*Oreochromis niloticm*) with artificial induced breeding: character of broodstock, egg, embryo, and larvae]. *Jurnal Iktiologi Indonesia*, 8(1), pp.17-20.
- Wirawan, I., 2005. *Efek Pemaparan Copper Sulfat (CuSO₄) Terhadap Daya Tetas Telur, Perubahan Histopatologik Insang Dan Abnormalitas Larva Ikan Zebra (Brachydanio rerio)* (Doctoral dissertation, Universitas Airlangga).
- Yamagami, K. 1996. Studies on the hatching enzyme (Choriolysin) and its substrate, egg envelope, constructed of the precursors (Choriogenins) in *Oryzias latipes*: A sequel to the information in 1991/1992. *Zoological Science*, 13(3), 331–340.

Yaqin, K., Rahim, S. W., Sari, D. K., & Tresnati, J. 2021. Can *Oryzias Celebensis* Embryo Be Transported Dry? *Iop Conference Series: Earth And Environmental Science*, 934(1). [Https://Doi.Org/10.1088/1755-1315/934/1/012067](https://doi.org/10.1088/1755-1315/934/1/012067)

Yasumasu, S., Iuchi, I., & Yamagami, K. 1989. Purification and partial characterization of high choriolytic enzyme (HCE), a component of the hatching enzyme of the teleost, *Oryzias latipes*. *Journal of Biochemistry*, 105(2), 204–211.

Żarski, D., Horváth, A., Bernáth, G., Krejszeff, S., Radócz, J., Palińska-Żarska, K., Bokor, K., Kupren, K., & Urbányi, B. 2017. Controlled Reproduction of Wild Eurasian Perch A Hatchery Manual. Switzerland: Springer International Publishing AG. 81-89 p.

Zhu, T., Gui, L., Zhu, Y., Li, Y., & Li, M. 2018. Dnd is required for primordial germ cell specification in *Oryzias celebensis*. *Gene*, 679(August), 36–43.

LAMPIRAN

Lampiran 1. Hasil uji statistik Kruskal-Wallis test Diameter Telur *O. celebensis*

Table Analyzed	Data 1			
Kruskal-Wallis test				
P value	<0,0001			
Exact or approximate P value?	Approximate			
P value summary	****			
Do the medians vary signif. (P < 0.05)?	Yes			
Number of groups	4			
Kruskal-Wallis statistic	54,15			
Data summary				
Number of treatments (columns)	4			
Number of values (total)	84			
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary	Adjusted P Value
Suhu 26°C vs. Suhu 28°C	-4,119	No	ns	>0,9999
Suhu 26°C vs. Suhu 30°C	18,67	No	ns	0,0787
Suhu 26°C vs. Suhu 32°C	-35,79	Yes	****	<0,0001
Suhu 28°C vs. Suhu 30°C	22,79	Yes	*	0,0148
Suhu 28°C vs. Suhu 32°C	-31,67	Yes	***	0,0002
Suhu 30°C vs. Suhu 32°C	-54,45	Yes	****	<0,0001
Test details	Mean rank 1	Mean rank 2	Mean rank diff,	n1
Suhu 26°C vs. Suhu 28°C	37,19	41,31	-4,119	21
Suhu 26°C vs. Suhu 30°C	37,19	18,52	18,67	21
Suhu 26°C vs. Suhu 32°C	37,19	72,98	-35,79	21
Suhu 28°C vs. Suhu 30°C	41,31	18,52	22,79	21
Suhu 28°C vs. Suhu 32°C	41,31	72,98	-31,67	21
Suhu 30°C vs. Suhu 32°C	18,52	72,98	-54,45	21

Lampiran 2. Hasil uji statistik Kruskal-Wallis test volume kuning telur *O. celebensis*

Table Analyzed	Data 1			
Kruskal-Wallis test				
P value	0,0034			
Exact or approximate P value?	Approximate			
P value summary	**			
Do the medians vary signif. (P < 0.05)?	Yes			
Number of groups	4			
Kruskal-Wallis statistic	13,69			
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary	
Suhu 26°C vs. Suhu 28°C	17,14	No	ns	
Suhu 26°C vs. Suhu 30°C	16,93	No	ns	
Suhu 26°C vs. Suhu 32°C	-4,738	No	ns	
Suhu 28°C vs. Suhu 30°C	-0,2143	No	ns	
Suhu 28°C vs. Suhu 32°C	-21,88	Yes	*	
Suhu 30°C vs. Suhu 32°C	-21,67	Yes	*	
Test details	Mean rank 1	Mean rank 2	Mean rank diff,	
Suhu 26°C vs. Suhu 28°C	49,83	32,69	17,14	
Suhu 26°C vs. Suhu 30°C	49,83	32,90	16,93	
Suhu 26°C vs. Suhu 32°C	49,83	54,57	-4,738	
Suhu 28°C vs. Suhu 30°C	32,69	32,90	-0,2143	
Suhu 28°C vs. Suhu 32°C	32,69	54,57	-21,88	
Suhu 30°C vs. Suhu 32°C	32,90	54,57	-21,67	

Lampiran 3. Hasil uji statistik Kruskal-Wallis test Laju Penyerapan Kuning Telur O. celebensis

Kruskal-Wallis test			
P value	0,0002		
Exact or approximate P value?	Approximate		
P value summary	***		
Do the medians vary signif. ($P < 0.05$)?	Yes		
Number of groups	4		
Kruskal-Wallis statistic	19,70		
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary
26°C vs. 28°C	-15,60	Yes	*
26°C vs. 30°C	-22,50	Yes	****
26°C vs. 32°C	-14,70	Yes	*
28°C vs. 30°C	-6,900	No	ns
28°C vs. 32°C	0,9000	No	ns
30°C vs. 32°C	7,800	No	ns
Test details	Mean rank 1	Mean rank 2	Mean rank diff,
26°C vs. 28°C	7,300	22,90	-15,60
26°C vs. 30°C	7,300	29,80	-22,50
26°C vs. 32°C	7,300	22,00	-14,70
28°C vs. 30°C	22,90	29,80	-6,900
28°C vs. 32°C	22,90	22,00	0,9000
30°C vs. 32°C	29,80	22,00	7,800

Lampiran 4. Hasil uji statistik Kruskal-Wallis test Detak Jantung O. celebensis

Kruskal-Wallis test			
P value	0,0028		
Exact or approximate P value?	Approximate		
P value summary	**		
Do the medians vary signif. ($P < 0.05$)?	Yes		
Number of groups	4		
Kruskal-Wallis statistic	14,05		
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary
Suhu 26°C vs. Suhu 28°C	-10,57	No	ns
Suhu 26°C vs. Suhu 30°C	-17,07	Yes	*
Suhu 26°C vs. Suhu 32°C	-21,79	Yes	**
Suhu 28°C vs. Suhu 30°C	-6,500	No	ns
Suhu 28°C vs. Suhu 32°C	-11,21	No	ns
Suhu 30°C vs. Suhu 32°C	-4,714	No	ns
Test details	Mean rank 1	Mean rank 2	Mean rank diff,
Suhu 26°C vs. Suhu 28°C	16,14	26,71	-10,57
Suhu 26°C vs. Suhu 30°C	16,14	33,21	-17,07
Suhu 26°C vs. Suhu 32°C	16,14	37,93	-21,79
Suhu 28°C vs. Suhu 30°C	26,71	33,21	-6,500
Suhu 28°C vs. Suhu 32°C	26,71	37,93	-11,21
Suhu 30°C vs. Suhu 32°C	33,21	37,93	-4,714

Lampiran 5. Hasil uji statistik Kruskal-Wallis test Waktu Penetasan *O. celebensis*

Kruskal-Wallis test			
P value	0,0065		
Exact or approximate P value?	Approximate		
P value summary	**		
Do the medians vary signif. ($P < 0.05$)?	Yes		
Number of groups	4		
Kruskal-Wallis statistic	12,26		
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary
26°C vs. 28°C	9,313	No	ns
26°C vs. 30°C	17,20	Yes	**
26°C vs. 32°C	9,944	No	ns
28°C vs. 30°C	7,888	No	ns
28°C vs. 32°C	0,6319	No	ns
30°C vs. 32°C	-7,256	No	ns
Test details	Mean rank 1	Mean rank 2	Mean rank diff,
26°C vs. 28°C	27,00	17,69	9,313
26°C vs. 30°C	27,00	9,800	17,20
26°C vs. 32°C	27,00	17,06	9,944
28°C vs. 30°C	17,69	9,800	7,888
28°C vs. 32°C	17,69	17,06	0,6319
30°C vs. 32°C	9,800	17,06	-7,256

Lampiran 6. Hasil uji statistik Kruskal-Wallis test Daya Tetas *O. celebensis*

Kruskal-Wallis test			
P value	0,0362		
Exact or approximate P value?	Approximate		
P value summary	*		
Do the medians vary signif. ($P < 0.05$)?	Yes		
Number of groups	4		
Kruskal-Wallis statistic	8,531		
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary
26°C vs. 28°C	-6,000	No	ns
26°C vs. 30°C	-10,00	Yes	*
26°C vs. 32°C	-8,000	No	ns
28°C vs. 30°C	-4,000	No	ns
28°C vs. 32°C	-2,000	No	ns
30°C vs. 32°C	2,000	No	ns
Test details	Mean rank 1	Mean rank 2	Mean rank diff,
26°C vs. 28°C	14,50	20,50	-6,000
26°C vs. 30°C	14,50	24,50	-10,00
26°C vs. 32°C	14,50	22,50	-8,000
28°C vs. 30°C	20,50	24,50	-4,000
28°C vs. 32°C	20,50	22,50	-2,000
30°C vs. 32°C	24,50	22,50	2,000

Lampiran 7. Hasil uji statistik Kruskal-Wallis test Panjang Larva *O. celebensis* Awal Menetas

Kruskal-Wallis test			
P value	0,9567		
Exact or approximate P value?	Approximate		
P value summary	ns		
Do the medians vary signif. ($P < 0.05$)?	No		
Number of groups	4		
Kruskal-Wallis statistic	0,3173		
Dunn's multiple comparisons test	Mean rank diff,	Significant?	Summary
26°C vs. 28°C	1,663	No	ns
26°C vs. 30°C	-0,3500	No	ns
26°C vs. 32°C	-0,7333	No	ns
28°C vs. 30°C	-2,013	No	ns
28°C vs. 32°C	-2,396	No	ns
30°C vs. 32°C	-0,3833	No	ns
Test details	Mean rank 1	Mean rank 2	Mean rank diff,
26°C vs. 28°C	16,60	14,94	1,663
26°C vs. 30°C	16,60	16,95	-0,3500
26°C vs. 32°C	16,60	17,33	-0,7333
28°C vs. 30°C	14,94	16,95	-2,013
28°C vs. 32°C	14,94	17,33	-2,396
30°C vs. 32°C	16,95	17,33	-0,3833