

## DAFTAR PUSTAKA

- Abdel-Maksoud G., Kira H.E., Mohamed W.S. 2022. "Consolidation of Fragile Archaeological Bone Artifacts: A review". Egypt. Journal of Chemistry Vol. 65, No. SI:13, pp. 1065 - 1080 (2022)
- Abdelrasoul-Mohamed, Walid Shaaban. 2023. "Strengthening the Clumping Paper Properties using Hydroxypropyl Cellulose Applied on a Historical manuscript 13th Century AD". Biointerface Research in Applied Chemistry Volume 13, Issue 4, 2023, 375, <https://doi.org/10.33263/BRIAC134.375>
- Afifi, A.M. Hala Et Al. 2020. "Typological Study and Non Destructive Analytical Approaches Used For Dating A Polychrome Gilded Wooden Statuette At The Grand Egyptian Museum". Scientific Culture, Vol. 6, No. 3, (2020), pp. 69-83, DOI: 10.5281/zenodo.4007568
- Agustina, Swantara dan Suartha. 2015. "Isolasi Kitin, Karakterisasi, dan Sintesis Kitosan dari Kulit Udang". Jurnal Kimia 9 (2), Juli 2015: 271-278
- Ahmed dan Kolisis. 2011. "A Study on Using of Protease for Removal of Animal Glue Adhesive in Textile Conservation". Journal of Applied Polymer Science, Vol. 124, 3565–3576 (2012), DOI 10.1002/app.34053
- American Standard Testing and Material International D695-23. 2023. "Standard Test Method for Compressive Properties of Rigid Plastics". Annual Book of ASTM Standards
- Anicuta, Stoica-Guzun et al. 2010. "Fourier Transform Infrared (Ftir) Spectroscopy For Characterization of Antimicrobial Films Containing Chitosan". Analele Universităţii din Oradea Fascicula: Ecotoxicologie, Zootehnie si Tehnologii de Industrie Alimentară, 2010
- Appelbaum, Barbara. 2020. "Conservation Treatment Methodology". New York: Barbara Appelbaum Books.
- Azizati, Zidni. 2019. "Pembuatan dan Karakterisasi Kitosan Kulit Udang Galah". Walisongo Journal of Chemistry Vol. 2 No. 1 (2019), DOI: <https://doi.org/10.21580/wjc.v2i2.3578>
- Baglioni *et al.* 2014. "Nanostructured fluids from degradable nonionic surfactants for the cleaning of works of art from polymer contaminants". Soft Matter Journal of Chemistry, 2014, 10, 6798–6809
- Baker P. dan Worley F. 2019. "Animal Bones and Archaeology Recovery to archive". England: Historic England.
- Becherini, Francesca et al., 2018. "Pyrite Decay of Large Fossils: The Case Study of the Hall of Palms in Padova, Italy". Minerals **2018**, 8, 40; doi:10.3390/min8020040
- Brandt, Josef et al. 2023. "Evaluation of the Composition, Thermal and Mechanical Behavior, and Color Changes of Artificially and Naturally Aged Polymers

- for the Conservation of Stained Glass Windows". *Polymers* 2023, 15, 2595.  
<https://doi.org/10.3390/polym15122595>
- Bridarolli et al., 2022. "Mechanical Properties of Mammalian and Fish Glues Over Range of Temperature and Humidity". *Journal of Cultural Heritage* 53 (2022) 226–235. Elsevier.
- Buttler J. Caroline. 2015. "Damage to sub-fossil bone". Wales: National Museum Wales.
- Canales et al. 2023. "Innovations in the Use of Paraloid B-72® As a Surface Adhesive Method for Conservation of Bones and Fossils". *Journal Of Anthropological and Archaeological Sciences* Volume 7 - Issue 4.
- Carretti, Emiliano et al. 2013. "Interactions between Nanostructured Calcium Hydroxide and Acrylate Copolymers: Implications in Cultural Heritage Conservation". *Langmuir*, 2013, 29, 9881–9890, [dx.doi.org/10.1021/la401883g](https://doi.org/10.1021/la401883g)
- Cosme dan Vilela. 2021. "Chitin and Chitosan in the Alcoholic and Non-Alcoholic Beverage Industry: An Overview". *Appl. Sci.* 2021, 11, 11427. <https://doi.org/10.3390/app112311427>
- Crann dan Grant. 2019. "Radiocarbon Age of Consolidants and Adhesives Used In Archaeological Conservation". *Journal of Archaeological Science: Reports* 24 (2019) 1059–1063
- Cronyn J.M., 1990. "The Elements of Archaeological Conservation". London: Routledge.
- Derrick, R.M., Stulik, D., Landry, J.M., 1999, *Infrared Spectroscopy in Conservation Science, Scientific Tools for Conservation*, Tevvy Ball, Sylvia Tidwell, Los Angeles: J. Paul Getty Trust.
- Derry, Julianne. 2012. "Investigating Shellac: Documenting the Process, Defining the Product". *Thesis*. The Institute of Archeology, Conservation and History, Faculty of Humanities, University of Oslo
- Diaz-Cortes Andrea et al. 2022. "Conservation of Archaeological Bones: Assessment of Innovative Phosphate Consolidants in Comparison with Paraloid B72". *Nanomaterials* 2022, 12, 3163. <https://doi.org/10.3390/nano12183163>
- Diaz-Cortes, Otero dan Lopez-Polin. 2022. "Multianalytical Approach for the Preservation of Pleistocene Bones: Evaluation of Potential Consolidation Products and Application Methods". *Microscopy and Microanalysis*, 2022, 00, 1–16 <https://doi.org/10.1093/micmic/ozac013>
- Eklund dan Thomas. 2010. "Assessing the effects of conservation treatments on short sequences of DNA in vitro". *Journal of Archaeological Science* 37 (2010) 2831–2841

- El-Hassan, Marouf dan Mohamed. 2021. "Archaeological Bone Properties after treatment with Paraloid / Hydroxyapatite nan composite". *International Journal Of Advanced Scientific Research And Innovation* Volume 4, Issue 2, 2021, 53 – 73.
- Ethirajan et al. 2008. "Synthesis and Optimization of Gelatin Nanoparticles Using the Miniemulsion Process". *Biomacromolecules* 2008, 9, 2383–2389
- Fadlilah dan Harismah. 2022. "Pemanfaatan Bahan Alam Anchor sebagai Bahan Konservasi Fosil di Sangiran". *Jurnal Teknosains: Jurnal Sains, Teknologi dan Informatika* Volume 9, Nomor 1, Januari 2022, DOI: 10.37373.
- Fadlilah dan Wahyuni. 2021. "Pengembangan Kitosan Sebagai Bahan Konservasi Fosil". *Jurnal Prajnaparamita* Volume 10 Nomor 1, Agustus 2021. Jakarta: Museum Nasional, Kementerian Pendidikan dan Kebudayaan.
- Fadlilah, Nurul. 2019. "Identifikasi Kerusakan Fosil: Studi Kasus Koleksi Museum". *Jurnal Sangiran* Nomor 8 Tahun 2019. Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Fatimah, Widia. 2012. "Analisa Profil Gelatin Sapi dan Gelatin Babi Sebelum dan Setelah Perlakuan Hidrolisis Enzim Pepsin". *Skrripsi*. Jakarta: Program Studi Kimia, Fakultas Sains dan Teknologi, Universitas Islam Negeri Syarif Hidayatullah Jakarta.
- Fatoni, Ahmad et al. 2018. "Synthesis and Characterization of Chitosan Linked by Methylene Bridge and Schiff Base of 4,4-Diaminodiphenyl Ether-Vanillin". *Indones. J. Chem.*, 2018, 18 (1), 92 - 101 DOI: 10.22146/ijc.25866
- France L. Diane. 2009. "Human and Nonhuman Bone Identification". New York: CRC Press Taylor & Francis Group
- Grant T. 2002. "Conservation of Wet Faunal Remains: Bone, Antler, and Ivory". *Canadian Conservation Institute Notes* 4/3.
- Grant, J., Gorin, S. & Fleming, N. 2001. "The Archaeology Coursebook, An Introduction to Themes, Sites, Methods, and Skills". London: Routledge.
- Grifoll-Romero et al. 2018. "Chitin Deacetylases: Structures, Specificities and Biotech Applications". *Polymers* 2018, 10, 352; doi:10.3390/polym10040352
- Guareschi, Magni dan Berry. 2023. "Potential Issues in the Conservation of Bone and Teeth in Maritime Archaeology". *Heritage* 2023, 6, 779–788. <https://doi.org/10.3390/heritage6020042>
- Haldoko dkk. 2015. "Laporan Hasil Kajian Pengembangan Perekat Alam Untuk Penyambungan Artefak Kayu". Balai Konservasi Borobudur, Kementerian Pendidikan dan Kebudayaan.
- Haldoko, Wahyuni dan Gunawan 2019. "Laporan Kajian Konsolidasi Fosil Menggunakan Resin Alam". Magelang: Balai Konservasi Borobudur, Kementerian Pendidikan dan Kebudayaan

- Haldoko, Wahyuni dan Gunawan. 2021. "Konsolidasi Artefak Kayu menggunakan Shellac dan Gelatin". Borobudur, Volume XV, Nomor 2, Desember 2021, Halaman 44-58
- Hidayat, Rusmulia Tjiptadi, 2008. "Manajemen Tata Ruang Dan Tata Pamer Museum Sangiran Di Kabupaten Sragen, Jawa Tengah". *Tesis*. Bandung: Program Studi Ilmu-ilmu Sastra, Program Pascasarjana, Universitas Padjadjaran
- ICOM-CC. 2008. "Terminology to characterize the conservation of tangible cultural heritage". Diambil Agustus 23, 2023, dari International Council of Museum-Committee for Conservation: <https://www.icom-cc.org/en/terminology-for-conservation#>
- Jaya M.U., 2020. "Rencana Strategis Balai Pelestarian Situs Manusia Purba Sangiran Tahun 2020-2024". Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan.
- Johnson, S. Jessica. 1994. "Consolidation of Archaeological Bone: A Conservation Perspective". *Journal of Field Archaeology*/Vol. 21,1994
- Kasem et al. 2020. "Investigating Egyptian Archeological Bone Diagenesis Using ATR-FTIR Microspectroscopy". *Journal of Radiation Research and Applied Sciences* 2020, Vol. 13, No. 1, 515–527, <https://doi.org/10.1080/16878507.2020.1752480>
- Khatua, Pijus Kanti et al. 2015. "Environment Friendly, Exterior Grade Resin Adhesive from Phenol-Animal Glue Formaldehyde (PGF)". *International Journal of Polymer Science* Vol. 1: Issue 1
- Koob, Stephen P. 1984. "The Consolidation of Archaeological Bone:Adhesives and Consolidants Preprints". IIC 1984 Paris Congress.
- Kumari, Suneeta et al. 2017. "Physicochemical Properties and Characterization of Chitosansynthesized From Fish Scales, Crab and Shrimp Shells". *International Journal of Biological Macromolecules* 104 (2017) 1697–1705
- Kusmiati dan Nurhayati, 2020. "Pemanfaatan Kitosan dari Cangkang Udang sebagai Adsorben Logam Berat Pb pada Limbah Praktikum Kimia Farmasi". *Indonesian Journal of Laboratory*, Vol 3 (1) 2020, 6-14
- Mays, Simon 2021."The Archaeology of Human Bone" Third Edition. London: Routledge Taylor and Francis Group.
- Munteanu, Marius et al. 2016. "Disadvantages of Using Some Polymers In Restoration of Old Icons on Wooden Panels". *International Journal Of Conservation Science* Volume 7, Special Issue 1, 2016: 349-356
- Negash, Tadele et al. 2020. "Production and Characterization of Glue from Tannery Hide Trimming Waste". Institute for Computer Sciences, Social Informatics and Telecommunications Engineering 2020, Springer Nature Switzerland AG 2020. All Rights Reserved N. G. Habtu et al. (Eds.): ICAST 2019,

- LNICST 308, pp. 59–70, 2020, [https://doi.org/10.1007/978-3-030-43690-2\\_5](https://doi.org/10.1007/978-3-030-43690-2_5)
- Noerwidi, Sofwan. 2014. “Beberapa Aspek Biokultural Rangka Manusia Dari Situs Kubur Kuna Leran, Rembang, Jawa Tengah”. AMERTA, Jurnal Penelitian dan Pengembangan Arkeologi Vol. 32 No. 2, Desember 2014 : 77-154.
- Ntelia dan Karapanagiotisa. 2020. “Superhydrophobic Paraloid B72”. Progress in Organic Coatings 139 (2020) 105224
- Nugraha, Suwita. 2012. “Lingkungan Pengendapan Fosil Tridacna Sp.” Jurnal Sangiran Nomor 1 Tahun 2012. Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Nurhayati, Fadlilah dan Wahyuningsih. 2018. “Variasi Pelarut Paraloid B72 serta Karakterisasinya Sebagai Bahan Konsolidan Fosil di BPSMP Sangiran”. Jurnal Sangiran No.7 Tahun 2018, Kementerian Pendidikan dan Kebudayaan.
- Nurhayati, Nanik Dwi. 2022. “Shellac Termodifikasi Sebagai Biokomposit Pada Pelapisan Material Kemasan Pangan”. *Disertasi*. Yogyakarta: Program Studi Doktor Kimia Departemen Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada.
- Obradovic *et al.* 2017. “Preparation and Characterisation of Cellulose-Shellac Biocomposites”. “Cellulose-shellac composites,” BioResources 12(1), 1943-1959. 1943
- Orbasli, Aylin. 2008. “Architectural Conservation”. United Kingdom: Blackwell Publishing.
- Perhutani, 2022. “Laporan Tahunan Perhutani 2022”. Jakarta: Perum Perhutani, Badan Usaha Milik Negara.
- Pradini, Diwasasri. 2017. “Deteksi Gelatin Babi Dalam *Marshmallow* Menggunakan Sensor *Quartz Crystal Microbalance* (QCM) Termodifikasi NiO Nanopartikel”. *Tesis*. Surabaya: Jurusan Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Teknologi Sepuluh Nopember Surabaya
- Prastiningtiyas, Dyah. 2012. “Preservasi Sisa Manusia dari All Saints Church Fishergate York, Inggris”. Jurnal Konservasi Cagar Budaya Borobudur, Volume 6, Nomor 7, Desember 2012, Hal 44-51.
- Prata dan Grosso. 2015. “Production of microparticles with gelatin and chitosan”. Carbohydrate Polymers 116 (2015) 292–299.
- Rachmawani dkk. 2016. “Dampak Hidrokarbon Aromatik Terhadap Ekosistem Mangrove di Kawasan Binalatung Kota Tarakan Kalimantan Utara”. Jurnal Manusia dan Lingkungan, Vol. 23, No. 3, September 2016: 295-303.
- Rinaudo dan Goycoolea, 2019. “Advances in Chitin/Chitosan Characterization and Applications”. journal *Polymers*. Switzerland: MDPI

- Rosyidah, M.Y., et.al., 2015. "Konservasi Fosil". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Russell dan Strilisky, 2016. "Keep It Together: An Evaluation of The Tensile Strengths of Three Select Adhesives Used In Fossil Preparation". Collection Forum 2016; 30(1):85–95. Society for the Preservation of Natural History Collections.
- Sadirin, Hubertus. 2014. "Dasar-Dasar Konservasi Koleksi Museum". Jakarta: Pusat Pengembangan SDM Kebudayaan, Kementerian Pendidikan dan Kebudayaan
- Salvatore et al. 2020. "Evaluation of Diammonium Hydrogen Phosphate and Ca(OH)<sub>2</sub> Nanoparticles For Consolidation of Ancient Bones". Journal of Cultural Heritage 41 (2020) 1–12
- Sangiran BPSMP. 2016. "Kajian Bahan Konservasi Fosil Tahap I: Kajian Awal Bahan Perekat". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran BPSMP. 2017. "Kajian Bahan Konservasi Fosil Tahap II". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2014. "Laporan Kegiatan Rekonstruksi Kerangka Hewan". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2016. "SOP (*Standart Operating Procedure*) Konservasi Fosil". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2017. "Laporan Penyelamatan Kerangka Kuda di Ngumbul Tegalombo Kalijambe Sragen". Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2018. "Laporan Penyelamatan Kerangka Gajah dari Banjarnegara". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2018. "Laporan Penyelamatan Kerangka Gajah dari Kendal". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2020. "Laporan Kajian Konservasi Fosil". Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2020. "Laporan Kajian Konservasi Fosil". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Sangiran, BPSMP. 2021. "Laporan Kegiatan Pendataan dan Konservasi Koleksi Fosil di Museum Anjuk Ladang Kabupaten Nganjuk". Sragen: Balai



Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan

Sangiran, BPSMP. 2022. "Laporan Kegiatan Konservasi Koleksi Fosil di Museum Lokal Kabupaten Grobogan (DAK)". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan

Sangiran, BPSMP. 2022. "Laporan Kegiatan Konservasi Koleksi Fosil di Museum Anjuk Ladang Kabupaten Nganjuk (DAK)". Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan

Schellmann, C. Nanke. 2007. "Animal Glues: A Review of Their Key Properties Relevant to Conservation". *Reviews In Conservation* Number 8 2007.

Schellmann, C. Nanke. 2009. "Animal Glues – Their Adhesive Properties, Longevity and Suggested Use For Repairing Taxidermy Specimens". *NatSCA News, Issue 16*, 36 - 40.

Sekhaneh, Al-Muheisen, Gharaibeh. 2020. "Vibrational Spectroscopy Study of Ancient Bones From Archaeological Sites In Jordan". *International Journal Of Conservation Science* Volume 11, Issue 3, July-September 2020: 647-656

Setha B., Rumata F., Silaban B. 2019. "Karakteristik Kitosan dari Kulit Udang Vaname dengan Menggunakan Suhu dan Waktu yang Berbeda Dalam Proses Deasetilasi". *JPHPI* 2019, Volume 22 Nomor 3

Sharma, Jaiswal dan Kumar. 2006. "Role of Lac Culture in Biodiversity in Conservation: Issues at stake and Conservation strategy". *Article of Current Science* Volume 91 Nomor 7, 10 Oktober 2006.

Sharma, S.K., Shukla, S.K. dan Vaid D.N. 1983. "Shellac-Structure, Characteristics & Modification". New Delhi: Defence Science Centre, Metcalfe House.

Simunkova, Panek dan Zeidler. 2018. "Comparison of Selected Properties of Shellac Varnish for Restoration and Polyurethane Varnish for Reconstruction of Historical Artefacts". *Coatings* 2018, 8, 119; doi:10.3390/coatings8040119

Soelistyanto, Bambang 1995. "Perilaku Masyarakat Terhadap Benda Cagar Budaya Sangiran: Studi Kasus di Desa Krikilan". *Berkala Arkeologi*, Volume 15 No. 1, 1995, 46-64

Striova Jana, et al. 2015. "Optical and spectroscopic tools for evaluating Er:YAG laser removal of shellac varnish". *Studies in Conservation* 2015 Vol. 60 Supplement 1.

Stuart H. Barbara. 2007. "Analytical Techniques in Materials Conservation". England: John Wiley & Sons Ltd.

Suart, H. Barbara. 2004. "Infrared Spectroscopy: Fundamentals and Application". John Wiley & Sons, Ltd

- Sugita, Purwantiningsih et al. 2021. "Preparasi Gelatin Sapi Berbasis Tulang Femur untuk Aplikasi Cangkang Kapsul Obat Herbal melalui Hidrolisis Asam dan Karakterisasinya". *Jurnal Jamu Indonesia* (2021) 6(1):32-41, DOI: <https://doi.org/10.29244/jji.v6i1.188>
- Sugiyanti, Dina. 2019. "Proses Fisika Kimia Kitosan Menjadi Kitosan Berat Molekul Rendah dengan Steam Explosion dan Katalis Asam Fosfatungstat Serta Aplikasinya Pada Udang". *Disertasi*. Yogyakarta: Program Studi Ilmu Pangan, Fakultas Teknologi Pertanian, Universitas Gadjah Mada.
- Sukronedi. 2012. "Konservasi Fosil". *Jurnal Sangiran* Nomor 1 Tahun 2012. Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Suranto, Christopher Alma. 2023. "Efek Konsentrasi Serat, Jumlah Agen Pendispersi, dan Jenis Larutan Delignifikasi Terhadap Sifat Kertas Kozo Nusantara Berbahan Serat Kulit Pohon Dluwang". *Final Report MBKM Penelitian*. Yogyakarta: Program Studi Kimia, Departemen Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada
- Takahashi C.M. and Nelson D.E. 2002. "Radiocarbon And Stable Isotope Analyses of Archaeological Bone Consolidated With Hide Glue". *Radiocarbon* 44(1): 59-62.
- Takeo, Masahiro et al. 2018. "Biosynthetic Pathway and Genes of Chitin/Chitosan-Like Bioflocculant in the Genus *Citrobacter*". *Polymers* **2018**, 10, 237
- Taskirawati, Ira dkk. 2007. "Peluang Investasi dan Strategi Pengembangan Usaha Budidaya Kutu Lak (*Laccifer lacca* Kerr): Studi Kasus di KPII Probolinggo, Perum Perhutani Unit II Jawa Timur". *Jurnal Entomologi Indonesia*, April 2007, Volume 4 Nomor 1, halaman 43-53.
- Tazwir. 2007. "Optimasi Pembuatan Gelatin dari Tulang Ikan Kaci-Kaci (*Plectorhynchus chaetodonoides* Lac.) Menggunakan Berbagai Konsentrasi Asam Dan Waktu Ekstraksi". *Jurnal Pascapanen dan Bioteknologi Kelautan dan Perikanan* Vol. 2 No. 1, Juni 2007
- Thombare Nandkishore et al. 2022. "Shellac As A Multifunctional Biopolymer: A Review on Properties, Applications and Future Potential". *International Journal of Biological Macromolecules* 215 (2022) 203–223
- Thornton, Jonathan. 2005. "Adhesive and Adhesion". *New York: Buffalo State College*.
- Timar dan Beldean. 2022. "Modification of Shellac with Clove (*Eugenia caryophyllata*) and Thyme (*Satureja hortensis*) Essential Oils: Compatibility Issues and Effect on the UV Light Resistance of Wood Coated Surfaces". *Coatings* **2022**, 12, 1591. <https://doi.org/10.3390/coatings12101591>
- Timar, Maria Cristina et al. 2014. "FTIR Investigation of Paraloid B72 as Consolidant for Old Wooden Artefacts Principle and Methods". *Materiale Plastice* 51 No. 4, 2014



- Tsetsekou, Platanianaki dan Pornou. 2018. "Assessing wood adhesives used in conservation by testing their bond strength and ageing behavior". *Procedia Structural Integrity* 10 (2018) 227-234
- Turner-Walker dan Janes. 2008. "Reconstructing Taphonomic Histories Using Histological Analysis". *Journal of Palaeogeography, Palaeoclimatology, Palaeoecology* 266 (2008) 227-235. Elsevier
- Turner-Walker, Gordon Howard. 1993. "The Characterisation of Fossil Bone". *Disertasi*. England: Departement of Archeology Durham University
- Turner-Walker, Hung dan Yang. 2020. "How Reversible Are Consolidants Used on Fragile Archaeological Bones? A Practical Evaluation of B-72 Impregnation". *Journal of Innovative Technology*, Vol. 2, No. 1, pp. 19-26, March 2020 [http://doi.org/10.29424/JIT.202003\\_2\(1\).0003](http://doi.org/10.29424/JIT.202003_2(1).0003)
- Umney dan Rivers. 2003. "Conservation of Furniture". Oxford: Butterworth-Heinemann, Elsevier
- Valtierra Noe, Cazalla Irene, Díaz-Cortes Andrea. 2023. "Could facing techniques be compatible with optimal bone preservation surface?". *Quaternary Science Advances* 12 (2023) 100105
- Wahyuni, Laili dan Purwoko. 2021. "Emulsi Sereh Wangi untuk Konservasi Cagar Budaya Berbahan Batu dan Bata". *Jurnal Borobudur Volume XV Nomor 2 Desember 2021*. Magelang: Balai Konservasi Borobudur, Kementerian Pendidikan dan Kebudayaan
- Wahyuningsih Sayekti, Ramelan Ari, Marliyana D.Surya, Rahmawati Putri. 2018. "Development Of Cardanol-Based Phenolic Resin As Natural Adhesive For Uniting Fossil (Metacarpal Bone of Bovidae Family) Fragments. Proceedings of 175th The IIER International Conference, Bangkok, Thailand, 21st-22nd July, 2018
- Weintraub, Steven. 2022. "Demystifying Silica Gel". *Objects Specialty Group Postprints, Volume Nine, 2002, Pages: 169-194*. Washington, DC: The American Institute for Conservation of Historic & Artistic Works
- White, T.D. and Folkens, P.A. 2005. "The Human Bone Manual". London: Elsevier Academic Press.
- Widyanti, Adelia Putri. 2009. "Pemanfaatan Kitosan dari Cangkang Rajungan Pada Proses Adsorpsi Logam Nikel dari Larutan NiSO<sub>4</sub>". *Skripsi*. Jakarta: Program Sarjana Teknik Kimia, Fakultas Teknik, Universitas Indonesia.
- Wijanarko, Febri. 2015. "Kerusakan dan Pelapukan Pada Fosil Saat Ditemukan: Beberapa Cara Meminimalisirnya". *Jurnal Sangiran Nomor 4 Tahun 2015*. Sragen: Balai Pelestarian Situs Manusia Purba Sangiran, Kementerian Pendidikan dan Kebudayaan
- Wulandari, Febriana Tri. 2019. "Potensi Jenis-Jenis Pohon Inang Kutu Lak (*Laccifer lacca*.Kerr) di Kawasan Pulau Lombok". *Jurnal Silva Samalas, Volume 2, No. 1, Desember 2019*

- Zhang dan Dong. 2021. "Determining Minimum Intervention in the Preservation of Heritage Buildings". *International Journal of Architectural Heritage* 2021, Vol. 15, No. 5, 698–712, <https://doi.org/10.1080/15583058.2019.1645237>
- Zilhadia et al. 2018. "Diferensiasi Gelatin Sapi dan Gelatin Babi pada *Gummy Vitamin C* Menggunakan Metode Kombinasi Spektroskopi Fourier Transform Infrared (FTIR) dan Principal Component Analysis (PCA)". *Pharmaceutical Sciences and Research (PSR)*, 5(2), 2018, 90 - 96
- Zuraida. 2019. "Diferensiasi Gelatin dari Kulit Babi dan Sapi dengan Menggunakan Metode *Fourier Transform Infra Red* (Ftir) dan *Principal Component Analysis* (PCA)". *Skripsi*. Banda Aceh: Program Studi Kimia, Fakultas Sains dan Teknologi, UIN Ar-Raniry

### **Peraturan Perundangan**

- Undang Undang Nomor 11 Tahun 2010 Tentang Cagar Budaya
- Peraturan Pemerintah Republik Indonesia Nomor 66 Tahun 2015 Tentang Museum
- Peraturan Menteri Kebudayaan dan Pariwisata No. PM.17/HK.001/MPK/2007 Tentang Organisasi dan Tata Kerja Balai Pelestarian Situs Manusia Purba Sangiran (BPSMP Sangiran)
- Peraturan Menteri Pendidikan, Kebudayaan Riset dan Teknologi Republik Indonesia Nomor 28 Tahun 2022 Tentang Organisasi dan Tata Kerja Museum dan Cagar Budaya