

## DAFTAR PUSTAKA

- Adiswara, A., 2012, Bintang Antap: Karakteristik Bintang Katai Putih, Bintang Neutron dan Lubang Hitam, *Skripsi*, Jurusan Fisika, Fakultas MIPA, Universitas Gadjah Mada, Yogyakarta.
- Alam, S., Albareti, Franco D., Allendre P., C., Anders, F., Anderson, S.F., Andrews, B.H., Armengaud, E., Bailey, S., Bautista, J.E., Beaton, R.L., Beers, T.C., Bender, C.F., Berlind, A.A., Beutler, F., Bhardwaj, V., Bird, J.C., Bizyaev, D., Blake, C.H., Blanton, M.R., Blomqvist, M., Bochanski, J.J., Bolton, A.S., Bovy, J., Bradley, A.S., Brandt, W.N., Brauer, D.E., Brinkmann, J., Brown, P.J., Brownstein, J.R., Burden, A., Burtin, E., Busca, N.G., Cai, Z., Capozzi, D., Carnero R., A., Carrera, R., Chen, Y-C., Chiappini, C., Chojnowski, S.D., Chuang, C-H., Clerc, N., Comparat, J., Covey, K., Croft, R.A.C., Cuesta, A.J., , 2015, The Eleventh and Twelfth Data Release of Sloan Digital Sky Survey: Final Data from SDSS-III, *arXiv:1501.00963v2*.
- Antoci, S. dan Loinger, A., 1999, On the gravitational field of a mass point to Einstein's Theory, *arXiv:9905030*.
- Brans, C. dan Dicke, R.H., 1961, Mach's Principle and a Relativistic Theory of Gravitation, *Phys. Rev.*, **124**, 925-935.
- Brax, P., van de Bruck, C., Davis, A-C., Khoury, J., dan Weltman, A., 2005, Detecting Dark Energy in Orbit-the Cosmological Chameleon, *arXiv:astro-ph/0408415v2*.
- Brax, P. dan Davis, A-C., 2011, Modified Gravity and the CMB, *arXiv:1109.5862v2*.
- Brax, P., Davis, A-C., Li, B. dan Winther, H.A., 2012, A Unified Description of Screened Modified Gravity, *arXiv:1203.4812v2*.
- Capozziello, S. dan Francaviglia, M., 2008, Extended theories of gravity and their cosmological and astrophysical applications, *General Relativity and Gravitation*, *arXiv:0706.1146*.
- Capozziello, S. dan de Laurentis, M., 2011, Extended Theories of Gravity, *arXiv:1108.6266v2*.
- Carroll, S., 2004, *Spacetime and Geometry An Introduction to General relativity*, Addison Wesley, San Francisco.
- Chandrasekhar, S., 1983, *The Mathematical Theory of Black Holes*, Oxford University Press, New York.
- Chang, P. dan Hui, L., 2010, Stellar Structure and Tests of Modified Gravity, *arXiv:1011.4107v1*.

- Chudaykin, A.S., Gorbunov, D.S., Starobinsky, A.A. dan Burenin, R.A., 2015, Cosmology based on  $f(R)$  gravity with  $O(1)$  eV sterile neutrino, *arXiv:1412.5239v2*.
- de Felice, F. dan Clarke, C.J.S., 1990, *Relativity on Curved Manifolds*, Cambridge University Press, Cambridge, United Kingdom.
- de Felice, A. dan Tsujikawa, S., 2010,  $f(R)$  Theories, *arXiv:1002.4928v2*.
- Eddington, A.S. Sir, 1940, The Physics of White Dwarf Matter, *Monthly Notices of the Royal Astronomical Society*, **100**:582
- Ehlers, J., 1973, "Surveys of general relativity theory", Israel, W., *Astrophysics and Cosmology*, ISBN 90-277-0369-8.
- Eisenhart, L.P., 1966, *Riemannian Geometry*, Princeton University Press, Princeton.
- Erickcek, A.L., Barnaby, N., Burrage, C. dan Huang, Z., 2014, Chameleons in the Early Universe: Kicks, Rebounds and Particle Production, *arXiv:1310.5149v2*.
- Faraoni, V., 2008,  $f(R)$  gravity: successes and challenges, *arXiv:0810.2602v1*.
- Glendenning, N.K., 2000, *Compact Stars: Nuclear Physics, Particle Physics, and General Relativity*, 2nd Edition, Springer, California.
- Hansen, C.J. dan Kawaler, S.D., 1993, *Stellar Interiors: Physical Principles, Structure and Evolution*, Springer-Verlag, New York.
- Hinterbichler, K. dan Khoury, J., 2010, Symmetron Fields: Screening Long-Range Forces Through Local Symmetry Restoration, *arXiv:1001.4525v3*.
- Horedt, G.P., 2004, *Polytropes Application in Astrophysics and Related Fields*, Kluwer Academic Publisher, Dordrecht.
- Jain, B. dan Khoury, J., 2010, Cosmological Tests of Gravity, *arXiv:1004.3294v1*.
- Kenyon, I.R., 1990, *General Relativity*, Oxford University Press, New York.
- Kerr, Roy P., 1963, Gravitational Field of a Spinning Mass as an Example of Algebraically Special Metrics, *Phys. Lett.* **11**(5): 237-238.
- Khoury, J. dan Weltman, A., 2003, Chameleon Cosmology, *arXiv:astro-ph/0309411v2*.
- Khoury, J. dan Weltman, A., 2004, Chameleon Fields: Awaiting Surprises for Tests of Gravity in Space, *arXiv:astro-ph/0309300v3*.

- Kippenhahn, R. dan Weigert, A., 1990, *Stellar Structure and Evolution*, Springer-Verlag, New York.
- Kiusalaas, J., 2005, *Numerical Methods in Engineering with Python*, Cambridge University Press, Cambridge, United Kingdom.
- Moran, C.C., Teyssier, R. dan Li, B., 2014, Chameleon  $f(R)$  gravity on the Virgo cluster scale, *arXiv:1408.2856v1*.
- Newman, E., Couch, E., Chinnapared, K., Exton, A., Prakash, A. dan Torrence, R., 1965, Metric of a Rotating, Charged Mass, *Journal of Mathematical Physics* **6**(6): 918-919.
- Nordström, G., 1918, On the Energy of Gravitational Field in Einstein's Theory, *Verhandl. Koninkl. Ned. Akad. Wetenschap., Afdel. Natuurk.*, Amsterdam.
- O'Connor, J.J., dan Robertson, E.F., 1996, General Relativity, *Mathematical Physics Index*, School of Mathematics and Statistic, University of St. Andrews, Scotland.
- Oppenheimer, J.R. dan Volkoff, G.M., 1939, On Massive Neutron Cores, *Phys. Rev.* **55**(4): 374-381.
- Paxton, B., Bildsten, L., Dotter, A., Herwig, F., Lesaffre, P. dan Timmes, F., 2010, Modules for Experiments in Stellar Astrophysics (MESA), *arXiv:1009.1622v1*.
- Paxton, B., Cantiello, M., Arras, P., Bildsten, L., Brown, E.F., Dotter, A., Mankovich, C., Montgomery, M.H., Stello, D., Timmes, F.X. dan Townsend, R., 2013, Modules for Experiments in Stellar Astrophysics (MESA): Planets, Oscillations, Rotation, and Massive Stars, *arXiv:1301.0319v2*.
- Paxton, B., Marchant, P., Schwab, J., Bauer, Evan B., Bildsten, L., Cantiello, M., Dessart, L., Farmer, R., Hu, H., Langer, N., Townsend, R.H.D., Townsley, Dean M., dan Timmes, F.X., 2015, Modules for Experiments in Stellar Astrophysics (MESA): Binaries, Pulsations, and Explosions, *arXiv:1506.03146v1*.
- Reissner, H., 1916, Über die Eigengravitation des elektrischen Feldes nach der Einsteinschen Theori, *Annalen der Physik* **50**: 106-120.
- Sakstein, J.A., 2014, Astrophysical Tests of Modified Gravity, *arXiv:1502.04503v1*.
- Schrodinger, E., 1960, *Space-Time Structure*, Cambridge University Press, Cambridge, United Kingdom.
- Schwarzschild, K., 1916, Über das Gravitationsfeld eines Massenpunktes nach der Einsteinschen Theorie, *Sitzungsberichte der königlich Preussischen Akademie der Wissenschaften* **7**:189-196

- Sotiriou, T.P., 2010,  $f(R)$  theories of gravity, *arXiv:0805.1726v4*.
- Tolman, R.C., 1939, Static Solutions of Einstein's Fields Equations for Spheres of Fluids, *Phys. Rev.* **55**(4):364-373.
- Vainshtein, A., 1972, To The Problem of Non-Vanishing Gravitation Mass, *Phys. Lett.* **B39**, 393.
- Weinberg, S., 1972, *Gravitation and Cosmology*, John Wiley, ISBN 0-471-92567-5.