groundwater and gas extraction," *Remote Sens. Environ.*, vol. 128, pp. 150–161, Jan. 2013.

- [3] S. Makireddi, "Groundwater recharge prediction for broad scale irrigation modelling: a case study in the MIA-main canal irrigated areas," 2014.
- [4] A. Yadav, A. Sonje, P. Mathur, and D. A. Jain, "A review on artificial ground water recharge," *Int. J. Pharma Bio Sci.*, vol. 3, no. 3, pp. 304–311, 2012.
- [5] D. Panguriseng and A. R. Nanda, "Capillary shock phenomenon of groundwater at the beginning of rainy season," *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 8, no. 3, pp. 685–693, 2018.
- [6] D. Pokrajac, Advanced Simulation and Modeling for Urban Groundwater Management - UGROW. 2010.
- [7] M. G. Chandrakanth, S. Raveesha, S. Verghese, G. L. Thamanadevi, and H. M. Seema, "Groundwater conservation and management in India: Application of IoS and Wade frameworks," *Europe*, pp. 1–28.
- [8] K. Subyakto, "Azas Ultimum Remedium Ataukah Azas Primum Remedium Yang Dianut Dalam Penegakan Hukum Pidana Pada Tindak Pidana Lingkungan Hidup Pada Uu Nomor 32 Tahun 2009

Tentang Perlindungan Dan Pengelolaan Lingkungan Hidup," J. Pembaharuan Huk., vol. 2, no. 2, pp. 209–213, 2015.

- [9] U. U. (37). T. 2014 No, Konservasi Tanah dan Air. Tambahan Lembaran Negara Republik Indonesia Nomor, 5608., no. 37. 2014, p. 5608.
- [10] R. F. Lubis, Y. Sakura, and R. Delinom, "Groundwater recharge and discharge processes in the Jakarta groundwater basin, Indonesia," *Hydrogeol. J.*, vol. 16, no. 5, pp. 927–938, 2008.
- D. D. Chiras, Environmental science: action for a sustainable future. Redwood City, Calif.: Benjamin/Cummings Pub., 1994.
- [12] C. A. Job, Groundwater Economics. CRC Press, 2009.
- [13] A. L. Vickers, "Handbook of water use and conservation," 1999.
- [14] T. Davie, Fundamentals of Hydrology, Second Edition, vol. 298, no. 10. 2008.
- [15] J. Margat, J., & Van der Gun, Groundwater around the world: a geographic synopsis. Crc Press, 2013.
- [16] D. Rakhim Nanda, "Shallow Groundwater Conservation Based Empowerment and its Influence Factors by Groundwater User Farmers in Takalar Regency," J. Waste Water Treat. Anal., vol. 06, no. 01, pp. 1–4, 2015.