

1135-VM-1645      **Aram Tangboonduangjit\*** (aram.tan@mahidol.edu), Mahidol University International College, 999 Phutthamonthon 4 Road, Nakhonpathom, 73170, Thailand, and **Thotsaporn Thanatipanonda** (thotsaporn.tha@mahidol.ac.th), Mahidol University International College, 999 Phutthamonthon 4 Road, Nakhonpathom, 73170, Thailand. *Harmonic Number Identities via Generalized Bernoulli Polynomials*. Preliminary report.

Using Lagrange inversion formula, we present a direct method (as opposed to an inductive method provided by an early work of the first author) of deriving a closed form in terms of the Stirling numbers of the first kind of the residues (at 0) of functions related to the generating function of the generalized Bernoulli polynomials. We then give a closed form of some generalized Bernoulli polynomials in terms of these residues. One of the applications includes some curious identities involving harmonic numbers. (Received September 24, 2017)